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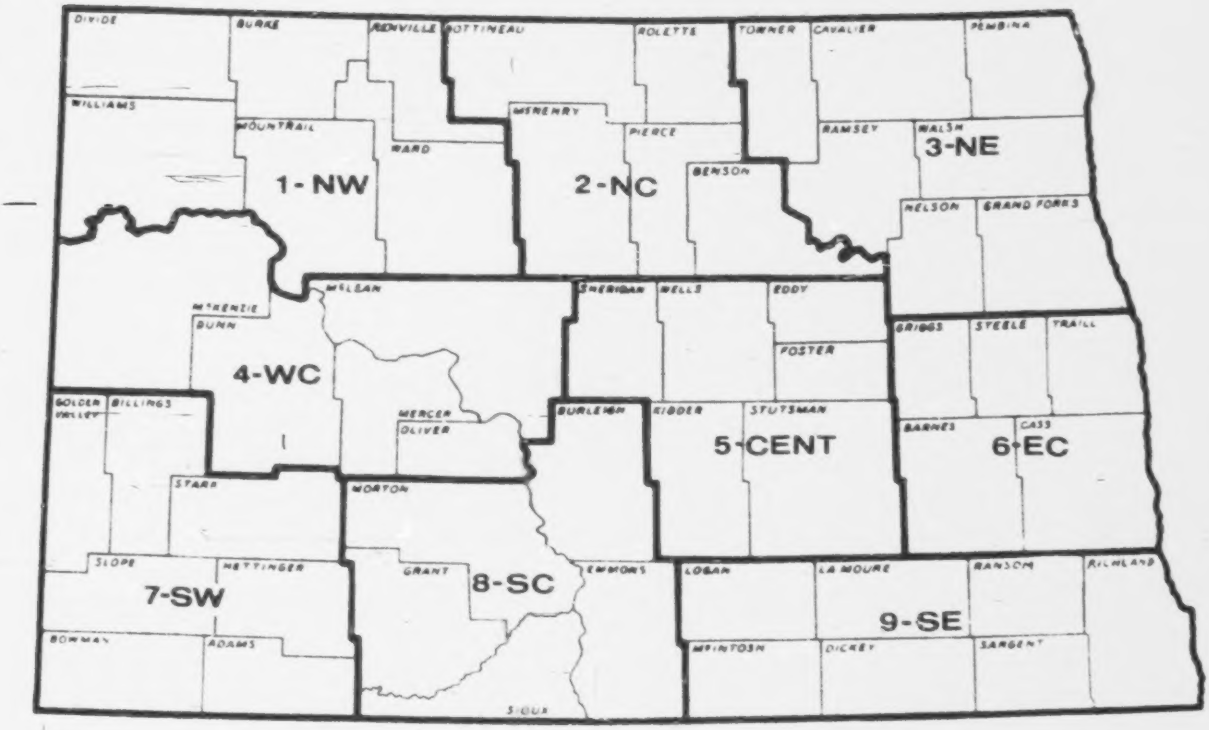
Ag. Statistics

NORTH DAKOTA

CROP REPORTING DISTRICTS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2-NC
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6-EC
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DIVIDE
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ROLETTE
TOWNER
CAVALIER
PEMBINA
WILLIAMS
MOUNTRAIL
WARD
MCHENRY
PIERCE
RAMSEY
WALSH
BENSON
NELSON
GRAND FORKS
MCKENZIE
MCLEAN
SHERIDAN
WELLS
EDDY
DUNN
FOSTER
GRIGGS
STEELE
TRAILL
GOLDEN VALLEY
BILLINGS
MERCER
OLIVER
BURLEIGH
KIDDER
STUTSMAN
BARNES
CASS
STARK
MORTON
SLOPE
HETTINGER
GRANT
EMMONS
LOGAN
LA MOURE
RANSOM
RICHLAND
BOWMAN
ADAMS
SIOUX
MCINTOSH
DICKEY
SARGENT

NORTH DAKOTA

AGRICULTURAL STATISTICS

1986

Compiled by

NORTH DAKOTA AGRICULTURAL STATISTICS SERVICE

345 U.S. Post Office - Federal Building
P.O. Box 3166 Fargo, ND 58108

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NAME CHANGE

The name of the North Dakota Crop and Livestock Reporting Service has been changed to the North Dakota Agricultural Statistics Service. This was effective in May 1986 and follows renaming of our National organization from Statistical Reporting Service to National Agricultural Statistics Service. These names were selected to more accurately reflect the purpose of this U.S.D.A. Agency and for consistancy in naming all local State offices.

Issued

Cooperatively

by

NORTH DAKOTA STATE UNIVERSITY	U.S. DEPARTMENT OF AGRICULTURE NATIONAL AGRICULTURAL STATISTICS SERVICE
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PRICE: $5.00

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This publication features photos by James A. Berg
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U.S. Department of Agriculture
Statistical Reporting Service

Cooperating
North Dakota State University
Agricultural Experiment Station
Dept. of Agricultural Economics

June 1986

Dear Agricultural Data User:

It is a pleasure to present this 29th Annual Summary of "North Dakota Agricultural Statistics, 1986" continuing a series which dates back to 1957. It is the 55th such publication published by this office including special issues. A reference to issues in this series containing county estimates is on the inside of the back cover.

This a comprehensive report of farm statistics for North Dakota including estimates by counties for major crops and livestock. It also includes information on crop production, livestock numbers, farm income, prices, weather and grain shipments.

This issue has again been expanded from our traditional yearly publication to include a special section summarizing 10 years (1976-85) of data from our "crop-weather report". This report is issued weekly from mid-April to mid-October and monthly for the remainder of the year. It includes detailed information on planting progress, crop phenological development, harvest progress, livestock, and weather data. Crop and livestock information is provided by the North Dakota Cooperative Extension Service and weather data is provided by the Bismarck office of the National Weather Service.

A big special "THANK YOU" from all of us to the thousands of North Dakota farmers, ranchers and agri-business people who voluntarily report essential basic data for making these estimates. The information contained in this publication would not be possible without their most gracious and devoted service. The help of county extension agents, their staff, as well as other University, State and Federal agencies is also appreciated.

Collection and publication of these data have been made possible through the cooperative efforts of the National Agricultural Statistics Service, U.S.D.A., and North Dakota State University. Data were compiled by the staff of the North Dakota Agricultural Statistics Service. Funds for reproduction were provided by the Agricultural Experiment Station, Department of Agricultural Economics, and Cooperative Extension Service of N.D.S.U. Other contributors include the National Weather Service, American Malting Barley Association, Inc., The Upper Grain Plains Transportation Institute and the Public Service Commission.

Estimates are based on information collected from producers and agribusiness establishments. Much of the data are based on voluntary reports obtained through mail surveys. Probability sampling techniques are also utilized. All of the agriculture is accounted for within Sample segments of land randomly selected throughout the State. These segments represent a certain portion of the total land which enables the data to be expanded to State estimates.

Samples are also selected from a list of farm operations, "Universe List". State indications are obtained by expanding the sample data. Operations found in the land area frame sample mentioned above are also checked against the names on the list. Those not found are used to measure the incompleteness of the "List". Objective counts and measurements from sample plots in durum, other spring wheat, sunflower and potato fields are also used in estimating yields.

OTHER REPORTS AVAILABLE:

-- N.D. "Farm Reporter" (Bi-weekly) --
-- Weekly "Crop-Weather" --
-- Custom Rates --

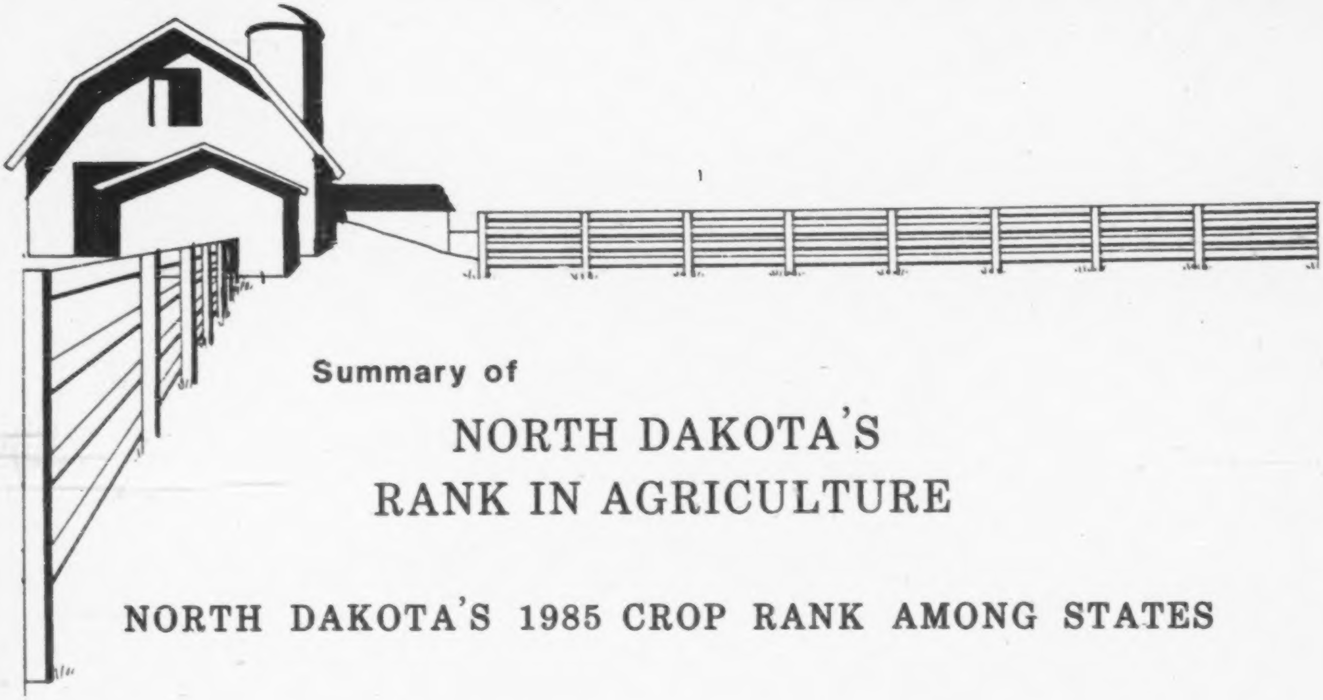
Call us at (701) 237-5771, Ext. 306, or write P.O. Box 3166, Fargo, North Dakota 58108, for an order form.

Robert F. Carver
Robert F. Carver
Statistician in Charge

INTRODUCTORY STATISTICS

NORTH DAKOTA'S RANK AMONG STATES
RANK OF COUNTIES
FARM INCOME
REAL ESTATE
WEATHER

NORTH DAKOTA
STATE UNIVERSITY



Summary of

NORTH DAKOTA'S RANK IN AGRICULTURE

NORTH DAKOTA'S 1985 CROP RANK AMONG STATES

North Dakota Ranks...		North Dakota Produces... (Percent of Nation)
1st in	Durum Wheat	85%
	Other Spring Wheat	44%
	Barley	31%
	Flaxseed	72%
	Sunflower	70%
2nd in	All Wheat	13%
	Pinto Beans	20%
3rd in	Rye	13%
	Dry Edible Beans	14%
	Total Cropland	6%
4th in	Sugarbeets	11%
5th in	Oats	9%
	Area Harvested – Principal Crops	6%
6th in	Potatoes	6%
	Area Planted – Principal Crops	6%

THE 10 LEADING STATES AND NORTH DAKOTA'S RANK

Item	1	2	3	4	5	6	7	8	9	10	North Dakota's Rank	Percent of Nation
CROP PRODUCTION - 1985												
Corn for Grain	IA	IL	NE	IN	MN	OH	WI	MI	MO	SD	24	*
Corn for Silage	WI	MN	NY	PA	CA	NE	IA	MI	CH	SD	19	2
Winter Wheat	KS	TX	OK	CO	WA	NE	CA	OH	OR	MO	21	1
Durum Wheat	ND	CA	AZ	SD	MN	MT	-	-	-	-	1	85
Other Spring Wheat	ND	MN	SD	MT	ID	WA	CO	OR	UT	NV	1	44
All Wheat	KS	ND	TX	OK	MN	CO	WA	SD	NE	ID	2	13
Oats	SD	MN	IA	WI	ND	OH	MI	NE	PA	NY	5	9
Barley	ND	ID	MN	WA	SD	MT	CA	CO	OR	UT	1	31
Rye	SD	MN	ND	GA	NE	OK	PA	NC	MI	SC	3	13
Flaxseed	ND	SD	MN	-	-	-	-	-	-	-	1	72
Potatoes	ID	WA	ME	OR	WI	ND	CA	CO	MN	MI	6	6
Sugarbeets	MN	CA	ID	ND	MI	NE	WY	TX	MT	OR	4	11
Soybeans	IL	IA	IN	MO	OH	MN	AR	NE	MS	TN	22	1
Pinto Beans	CO	ND	NE	ID	WY	KS	WA	MN	MI	MT	2	20
Dry Edible Beans, All	MI	CA	ND	CO	NE	ID	MN	WA	WY	NY	3	14
Sunflower, Oil	ND	SD	MN	TX	-	-	-	-	-	-	1	69
Sunflower, Non-oil	ND	MN	SD	-	-	-	-	-	-	-	1	90
Sunflower, All	ND	SD	MN	TX	-	-	-	-	-	-	1	70
Alfalfa Hay & Mixtures	WI	CA	MN	IA	MI	NE	KS	ID	IL	SD	15	2
All Other Hay	TX	MO	OK	KY	KS	TN	NY	PA	NE	MN	13	3
All Hay	WI	TX	MN	CA	IA	KS	NE	MO	MI	PA	18	3
Total Acreage of Principal Crops Planted	IA	IL	TX	KS	MN	ND	NE	SD	MO	IN	6	6
Total Acreage of Principal Crops Harvested	IA	IL	KS	TX	ND	MN	NE	SD	MO	IN	5	6
LIVESTOCK ON HAND - JAN. 1, 1986												
All Cattle & Calves	TX	2/	2/	OK	CA	IA	MO	WI	SD	MN	17	2
Cows That Have Calved												
Milk	WI	CA	NY	MN	PA	MI	OH	IA	TX	MO	27	1
Beef	TX	MO	OK	NE	SD	KS	MT	IA	FL	TN	12	3
All Hogs - Dec. 1, 1985	IA	IL	IN	MN	NE	MO	NC	OH	SD	KS	22	1
All Sheep & Lambs	TX	CA	WY	CO	SD	NM	UT	OR	MT	IA	16	2
Sheep & Lambs on Feed	CO	CA	TX	OR	WY	NM	SD	IA	NE	MN	13	3
Cattle & Calves on Feed	TX	NE	KS	CO	IA	IL	CA	SD	AZ	OK	25	*
All Chickens, Dec. 1985	CA	IN	GA	AR	PA	NC	OH	TX	AL	FL	44	*
LIVESTOCK PRODUCTION IN 1985												
Calf Crop	TX	MO	WI	OK	NE	CA	SD	3/	3/	MT	14	3
Lamb Crop	TX	CA	WY	SD	4/	4/	CO	ID	NM	OR	14	2
Pig Crop	IA	IL	MN	IN	NE	MO	NC	OH	SD	WI	21	1
Turkeys Raised	NC	MN	CA	AR	VA	MO	PA	IN	IA	WI	17	*
Egg Production	CA	IN	PA	GA	AR	OH	NC	TX	AL	FL	44	*
Wool Production	TX	CA	WY	CO	SD	MT	NM	UT	5/	5/	13	2
Milk Production	WI	CA	NY	MN	PA	MI	OH	IA	TX	WA	30	1
Butter	WI	CA	MN	WA	PA	MI	NY	MO	OH	IN	17	*
American Cheese	WI	MN	CA	IA	ID	SD	NY	MO	ND	UT	9	24
CASH RECEIPTS - 1985												
Crops	CA	IL	IA	TX	MN	FL	NE	IN	KS	OH	11	3
Livestock	TX	IA	NE	CA	WI	KS	MN	IL	PA	MO	31	1
Total	CA	IA	TX	NE	IL	MN	KS	WI	IN	FL	22	2
Government Payments 1/	TX	IA	KS	IL	NE	MN	ND	CA	OK	IN	7	5
Realized Income Per Farm												
Gross 1/	CA	TX	IA	NE	IL	MN	KS	WI	FL	NC	22	2
Net 1/	CA	IA	TX	FL	IL	MN	WI	NE	NC	KY	19	2

* Less than one-half of one percent. 1/ 1984 Data. 2/ KS AND NE tied for 2nd place. 3/ IA and KS tied for 8th place. 4/ MT and UT tied for 5th place. 5/ OR and IA tied for 9th place.

RANK OF NORTH DAKOTA'S COUNTIES

County	Crop Production - 1985								Livestock on Hand			
	All Wheat	Spring Wheat	Durum Wheat	Sun-flower	Barley	Oats	Corn Grain	All Hay	All Cattle Jan. 1 1986	Milk Cows Jan. 1 1986	All Hogs Dec. 1 1985	All Sheep Jan. 1 1986
Adams	42	38	36	33	43	24*	44*	29	21	44*	33	2
Barnes	12	8	22	3	5	30	8	27	26*	21	5	8
Benson	18	39	7	9	18	31	23	24	26*	22*	32	38
Billings	53	53	53	52	53	53	44*	36	31*	40*	53	46*
Bottineau	6	24	3	25	4	14	36	26	41*	44*	40*	39*
Bowman	49	46	40	47	50	45	44*	41	23*	40*	42	1
Burke	36	40	16	40	31	36	44*	39	46	48*	49*	20*
Burleigh	29	19	43*	30	39	8	26	5	3	19*	8	34*
Cass	2	1	15	5	1	29	2	37	34	31	1	5*
Cavalier	1	5	5	27	2	46*	44*	49	48*	48*	19	50*
Dickey	25	27	28	16	24	16	5	16	10	12	2	5*
Divide	48	52	17	50	45	51	44*	50	45	51*	34*	23*
Dunn	43	31	50	41	42	23	44*	4	2	22*	25	34*
Eddy	44	42	30	21	36	24*	30	23	39*	33*	52	17
Emmons	28	16	46	43	40*	10	14	6	4	2	17*	43*
Foster	32	30	27	6	37	35	22	44	41*	40*	21	25
Golden Valley	51	51	41	53	51	43	38	47	26*	33*	27*	13
Grand Forks	8	4	25*	18	3	37	9	46	44	27*	16	27*
Grant	38	29	51	29	33	9	20	11	7	5	10*	18
Griggs	27	22	31	22	17	33	21	40	37*	30	30*	34*
Hettinger	19	11	23	10	30	20	13	31	33	13*	13	43*
Kidder	46	41	33	38	46	19	16	2	5	10	29	7
LaMoure	22	18	21	7	23	15	6	28	17	8	9	9*
Logan	40	33	35	39	32	27	28	10	13	6	34*	39*
McHenry	20	13	18	8	22	3	11	1	6	9	27*	14*
McIntosh	41	34	34	36	40*	12	33	15	11	3	39	41*
McKenzie	45	45	24	51	48	49	34	19	8*	36*	26	3
McLean	7	15	4	4	21	2	17	9	14	15*	23	30*
Mercer	39	32	29	46	47	6	44*	12	15	19*	44	46*
Morton	35	23	49	34	29	4	27	3	1	1	6	14*
Mountrail	21	47	8	26	28	34	44*	20	23*	27*	45*	33
Nelson	15	21	10	11	15	32	29	38	41*	32	36*	34*
Oliver	50	44	52	37	49	18	37	14	22	11	14*	19
Pembina	5	2	48	44	8	42	18	45	47	51*	10*	50*
Pierce	26	35	14	19	26	28	25	22	35*	15*	51	45
Ramsey	11	17	6	13	11	39	31	52	48*	36*	30*	41*
Ransom	34	28	45	15	27	17	3	17	19*	27*	7	30*
Renville	17	20	12	42	14	11	35	43	50*	36*	49*	52*
Richland	10	6	32	20	16	7	1	21	16	13*	3	26
Rolette	30	48	11	32	20	40	44*	18	37*	36*	45*	29
Sargent	24	36	25*	12	25	22	4	30	19*	26	4	20*
Sheridan	33	26	38	14	34	21	32	25	31*	18	43	52*
Sioux	52	49	47	48	52	46*	42	33	18	25	47*	30*
Slope	47	43	42	45	44	48	39*	32	29*	40*	20	11
Stark	31	25	37	31	38	5	43	7	12	7	17*	12
Steele	23	12	39	24	10	41	10	53	52*	51*	47*	23*
Stutsman	9	9	9	1	13	13	12	8	8*	4	14*	9*
Towner	13	50	1	28	12	52	41	51	50*	48*	36*	20*
Traill	14	7	43*	35	6	50	7	48	52*	44*	22	46*
Walsh	4	3	19	23	9	38	19	42	39*	33*	12	46*
Ward	3	10	2	17	7	1	24	13	25	15*	24	14*
Wells	16	14	13	2	19	26	15	35	29*	24	40*	27*
Williams	37	37	20	49	35	44	39*	34	35*	44*	36*	4

*Tied with another county.

NORTH DAKOTA FARM INCOME

Source: Economic Indicators of the Farm Sector, U.S.D.A. - E.R.S.

1985 CASH RECEIPTS, PRELIMINARY

Preliminary cash receipts from marketings of crops and livestock in North Dakota during 1985 totaled $2,801 million, up 10 percent from 1984 and 3 percent above receipts in 1983.

Cash receipts from crops in 1985 totaled $2,103 million, increasing 13 percent from 1984. Cash receipts from livestock and livestock products in 1985 were $698 million, up 1 percent from the previous year. Government payments for 1985 were not available at press time.

1984 CASH RECEIPTS

Cash receipts from North Dakota farm marketings and government payments totaled $3,007 million in 1984, down 9 percent from 1983, but 7 percent greater than the 1982 total. Receipts from marketed crops totaled $1,854 million, 62 percent of the total while livestock and livestock products receipts totaled $690 million, 23 percent of the total. The remaining 15 percent came from government payments, which totaled $463 million.

Declines in wheat and sunflower receipts were largely responsible for an 11 percent drop in crop receipts, while livestock receipts rose 7 percent from 1983 on the strength of increased cattle receipts. Government payments were down 20 percent from 1983.

Wheat continued to be the largest source of cash receipts for North Dakota farmers, bringing in $885 million in 1984, 29 percent of the total. Cattle and calves ranked second in total cash receipts with $481 million, 16 percent of the total followed by sunflower with 10 percent of the total or $302 million.

INCOME PER FARM

Realized gross income per farm averaged $90,518 in 1984, down 5 percent from the record high of $95,668 in 1983 and represents the first year-to-year decline since 1976. The 1984 figure stands as the second highest on record followed by $81,822 in 1982.

Realized net income, which excludes changes in inventory values, averaged $13,228 per farm, down 41 percent from 1983, but 61 percent greater than 1982. Realized net income is the primary measure of change in the farmers income position.

Total net income rose to an average of $19,538 per farm in 1984, nearly double the 1983 figure and 75 percent greater than 1982. Total net income includes changes in inventory value.

Farm production expenses for 1985 were not available at press time; therefore, the 1985 net income situation is not included in this publication.

Cash Receipts from Farm Marketings and Government Payments, North Dakota, 1982-84 and 1985 Preliminary

Item	1982 1/	1983 1/	1984	Percent Total 1984 2/	1985 Preliminary
	--- Thousand Dollars ---			-Pct.-	-000 $-
CROPS	1,999,386	2,083,241	1,853,852	61.6	2,102,555
Food Grains	1,190,076	1,058,617	898,863	29.9	
Wheat	1,184,747	1,051,171	885,161	29.4	
Rye	5,329	7,446	13,702	.5	
Feed Crops	232,611	297,578	331,512	11.0	
Barley	134,310	196,724	220,033	7.3	
Corn	60,802	65,108	72,855	2.4	
Hay	18,765	13,105	15,544	.5	
Oats	18,734	22,641	23,080	.8	
Oil Crops	375,984	506,791	431,649	14.3	
Sunflower	301,343	415,320	301,812	10.0	
Soybeans	47,219	60,915	112,651	3.7	
Flaxseed	27,422	30,556	17,186	.6	
Veg. & Fruits	91,842	108,779	89,092	3.0	
Dry Beans	31,356	34,149	26,927	.9	
Potatoes	60,006	74,130	61,615	2.0	
Misc.	480	500	550	-	
Other Crops	108,758	111,351	102,596	3.4	
Sugarbeets	88,393	86,644	83,645	2.8	
Other	20,365	24,707	18,951	.6	
LIVESTOCK	606,259	647,614	690,312	23.0	698,262
Meat Animals	446,633	475,641	523,792	17.4	
Cattle & Calves	398,105	436,379	480,520	16.0	
Hogs	40,680	32,472	34,887	1.2	
Sheep & Lambs	7,848	6,790	8,385	.3	
Dairy Products	123,125	131,875	121,770	4.1	
Milk, Whsle.	123,125	131,875	121,770	4.1	
Poultry & Eggs	9,605	9,633	13,921	.5	
Turkeys	6,529	4,524	7,503	.2	
Eggs	2,960	4,991	6,270	.2	
Chickens, Farm	116	118	148	-	
Misc. Livestock	26,896	30,465	30,829	1.0	
Wool	1,122	972	1,155	-	
Other Livestock	25,774	29,493	29,674	1.0	
TOTAL CROPS & LIVESTOCK	2,605,645	2,730,855	2,544,164	84.6	2,800,817
Gov't Payments	200,176	578,760	463,245	15.4	NA
GRAND TOTAL	2,805,821	3,309,615	3,007,409	100.0	NA

1/ Revised. 2/ Items may not add due to rounding. NA - Not available.

Cash Receipts from Marketings, by Months and Percent Distribution, North Dakota, 1985 1/

Month	Livestock		Crops		Total	
	(000 $)	(Pct.)	(000 $)	(Pct.)	(000 $)	(Pct.)
January	75,491	10.8	130,451	6.2	205,942	7.3
February	69,752	10.0	105,031	5.0	174,783	6.2
March	65,561	9.4	98,872	4.7	164,433	5.9
April	59,624	8.5	105,381	5.0	165,005	5.9
May	51,255	7.4	88,087	4.2	139,342	5.0
June	46,268	6.6	117,856	5.6	164,124	5.9
July	36,119	5.2	90,427	4.3	126,546	4.5
August	51,046	7.3	193,710	9.2	244,756	8.7
September	45,625	6.5	315,163	15.0	360,788	12.9
October	62,024	8.9	336,695	16.0	398,719	14.2
November	77,610	11.1	310,954	14.8	388,564	13.9
December	57,887	8.3	209,928	10.0	267,815	9.6
Year	698,262	100.0	2,102,555	100.0	2,800,817	100.0

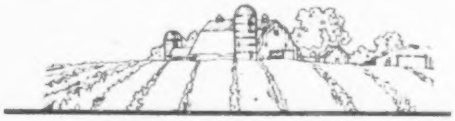
1/ Preliminary.

FARM INCOME CONT.

Cash Receipts from Government Payments
North Dakota, 1982-1985

Item	1982	1983	1984	1985
	---Thousand Dollars---			
Conservation	2,995	4,390	4,543	NA
Feed Grain Program	22,055	32,542	21,307	NA
Wheat Program	105,480	141,669	278,479	NA
Miscellaneous	69,646	379,827	158,916	NA
Total	200,176	558,428	463,245	NA

NA - Not Available.



Income per Farm, North Dakota, 1973-1984

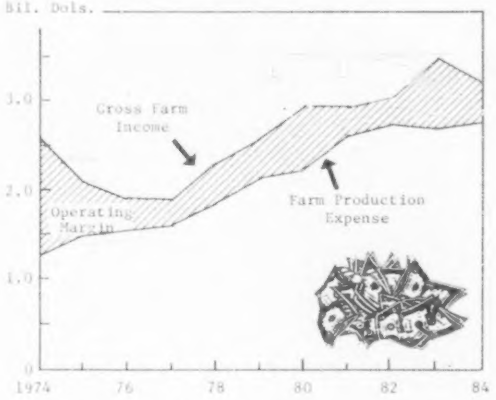
Year	Realized Gross Income per Farm 1/	Realized Net Income per Farm 1/	Total Net Income per Farm 2/
	- - - - Dollars - - - -		
1973	54,108	28,876	35,329
1974	59,512	30,498	25,265
1975	49,645	14,126	19,957
1976	45,935	8,542	8,658
1977	46,061	7,002	4,288
1978	56,027	11,098	15,088
1979	63,049	10,622	13,719
1980	72,878	17,460	2,505
1981	75,761	8,026	10,670
1982	81,822	8,238	11,146
1983	95,668	22,323	9,915
1984	90,518	13,228	19,538

1/ Excludes changes in inventories. 2/ Includes changes in inventories.

Value Of Home Consumption
North Dakota, 1982-84

Item	1982	1983	1984
	---Thousand Dollars---		
Cattle & Calves	6,551	7,292	7,156
Hogs	1,620	1,406	1,447
Sheep & Lambs	100	101	121
Dairy	1,500	1,500	1,500
Poultry & Eggs	231	293	360
ALL LIVESTOCK & PRODUCTS	10,002	10,592	10,584
ALL CROPS	1,153	1,185	1,142
TOTAL ABOVE	11,155	11,777	11,726

Operating Margin for
North Dakota Farmers, 1974-84



Farm Production Expenses
North Dakota, 1982-1984

Item	1982	1983	1984
	--- Million Dollars ---		
Feed	72.9	87.9	85.0
Livestock	28.0	34.9	34.6
Seed	92.2	86.9	103.2
Fertilizer & Lime	159.1	151.6	173.3
Repair & Operation of Capital Items	431.3	418.5	416.4
Hired Labor	89.4	85.9	88.4
Miscellaneous	697.3	645.4	689.8
Total Current Farm Operating Expenses	1,570.1	1,511.1	1,590.8
Depreciation & Other Consumption of Farm Capital	609.4	622.7	601.4
Taxes on Farm Property	85.6	82.8	86.0
Interest on Farm Mortgage Debt	222.4	234.2	228.4
Net Rent to Non-Farm Landlords	234.9	226.3	237.1
Total Production Expenses	2,722.6	2,677.1	2,743.8

Total Cash Receipts and Total Income
North Dakota, 1982-84

Item	1982	1983	1984
	---Million Dollars---		
Cash Receipts from Farm Marketings	2,605.6	2,730.9	2,544.2
Government Payments	200.2	558.4	463.2
Non-Money Income	194.5	180.0	178.2
Other Farm Income	27.1	22.7	27.8
Total Realized Gross Farm Income	3,027.4	3,491.9	3,213.4
Farm Production Expense	2,722.6	2,677.1	2,743.8
Realized Net Farm Income	304.8	814.8	469.6
Net Change in Farm Inventories	107.5	-452.8	224.0
Total Net Farm Income	412.4	361.9	693.6

Source of above data: Economic Indicators of the Farm Sectors, U.S.D.A., E.R.S.

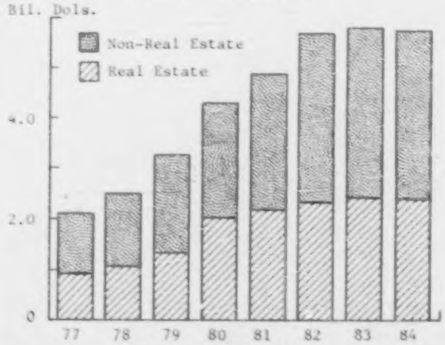
FARM ASSETS & DEBT

Farm Balance Sheet, North Dakota, December 31, 1980-84

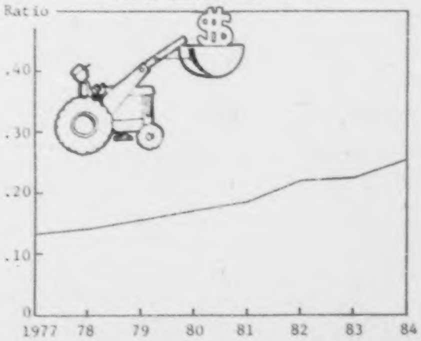
Item	1980	1981	1982	1983	1984
			EXCLUDING FARM HOUSEHOLDS		
			Million Dollars		
ASSETS					
Total Farm Assets	23,373.4	24,388.9	24,188.8	23,958.4	20,896.7
Real Estate	17,106.8	17,731.8	17,117.0	17,125.9	14,051.2
Livestock and Poultry	980.9	892.7	892.1	910.4	883.2
Machinery and Motor Vehicles	2,999.4	3,163.8	3,230.8	3,161.8	2,975.9
Crops	1,412.4	1,623.9	1,814.3	1,557.4	1,564.1
Financial Assets	873.9	976.7	1,134.5	1,202.9	1,422.3
CLAIMS					
Total Farm Debt	4,075.9	4,650.5	5,456.3	5,544.4	5,483.4
Real Estate Debt	1,925.4	2,077.3	2,216.5	2,293.3	2,293.3
Nonreal Estate Debt	1,882.5	2,097.2	2,288.8	2,302.0	2,288.1
CCC Loans	268.0	476.0	951.0	949.0	902.0
Equity	19,297.5	19,738.4	18,732.5	18,414.0	15,413.3
RATIOS			Ratio		
Equity/Assets	82.6	80.9	77.4	76.9	73.8
Debt/Equity	21.1	23.6	29.1	30.1	35.6
Debt/Assets, Total	17.4	19.1	22.6	23.1	26.2
Debt/Assets, Real Estate	11.3	11.7	12.9	13.4	16.3
Debt/Assets, Nonreal Estate and CCC	34.3	38.7	45.8	47.6	46.6
Returns to Operator/Total Debt	.1	6.8	5.8	4.6	10.7
			INCLUDING FARM HOUSEHOLDS		
			Million Dollars		
ASSETS					
Total Farm Assets	25,016.5	26,073.0	25,848.0	25,638.0	22,419.8
Real Estate	18,006.8	18,655.0	17,999.0	17,999.0	14,760.0
Livestock and Poultry	980.9	892.7	892.1	910.4	883.2
Machinery and Motor Vehicles	3,176.6	3,342.5	3,390.7	3,314.3	3,113.3
Crops	1,412.4	1,623.9	1,814.3	1,557.4	1,564.1
Household Equip. and Furnishings	258.4	288.6	321.4	344.8	341.9
Deposits and Currency	293.9	291.7	302.7	317.6	345.4
U.S. Savings Bonds	148.3	134.6	129.9	133.5	136.0
Investments in Cooperatives	739.2	843.9	997.9	1,060.9	1,275.8
CLAIMS					
Total Farm Debt	4,293.0	4,893.0	5,712.1	5,803.9	5,744.1
Real Estate Debt	2,026.7	2,185.5	2,330.7	2,410.3	2,409.0
Nonreal Estate Debt	1,998.3	2,231.5	2,430.4	2,444.7	2,433.1
CCC Loans	268.0	476.0	951.0	949.0	902.0
Equity	20,723.5	21,179.9	20,135.9	19,834.0	16,675.7
RATIOS			Ratio		
Equity/Assets	82.8	81.2	77.9	77.4	74.4
Debt/Equity	20.7	23.1	28.4	29.3	34.4
Debt/Assets, Total	17.2	18.8	22.1	22.6	25.6
Debt/Assets, Real Estate	11.3	11.7	12.9	13.4	16.3
Debt/Assets, Nonreal Estate and CCC	32.3	36.5	43.1	44.4	43.5
Net Farm Income/Debt	2.4	8.9	7.8	6.3	12.0

Source: Economic Indicators of the Farm Sector, U.S.D.A. - E.R.S.

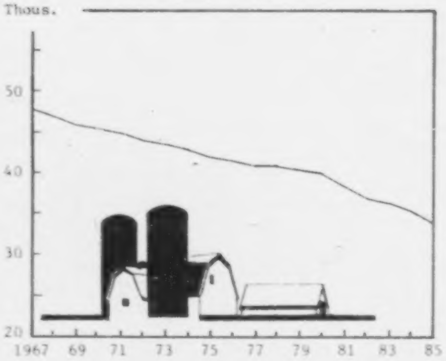
FARM DEBT
North Dakota, 1977-84

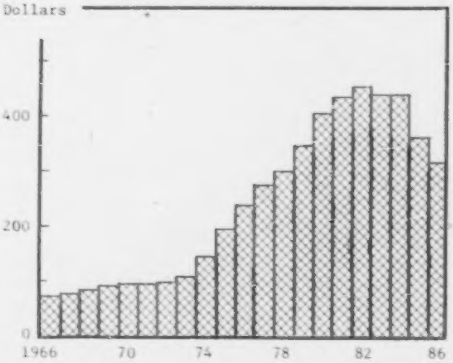


DEBT TO ASSET RATIO
North Dakota, 1977-84



FARM REAL ESTATE


NUMBER OF FARMS
North Dakota, 1967-85


FARM REAL ESTATE - VALUE PER ACRE
North Dakota, 1966-86

NUMBER OF FARMS, LAND IN FARMS, AVERAGE SIZE AND VALUE,
North Dakota, 1972-86

Year	Number of Farms	All Land in Farms	Average Size of Farms	Total Value	Value per Acre
	(Number)	(000 Acres)	(Acres)	(Mil. Dols.)	(Dols.)
1972	44,000	41,800	950	4,096	98
1973	43,500	41,800	961	4,514	108
1974	43,000	41,700	970	6,005	144
1975	42,000	42,300	1,007	8,249	195
1976	41,500	42,000	1,012	9,912	236
1977	41,000	41,800	1,020	11,451	274
1978	41,000	41,700	1,017	12,493	300
1979	40,500	41,700	1,030	14,470	347
1980	40,000	41,700	1,043	16,889	405
1981	38,500	41,300	1,073	18,007	436
1982	37,000	41,000	1,108	18,655	455
1983	36,500	41,000	1,123	17,999	439
1984	35,500	41,000	1,155	17,999	439
1985	34,000	40,900	1,203	14,724	360
1986	NA	NA	NA	12,965	317

NA - Not available.

GROSS RENTS PER ACRE AND RATIO TO VALUE
North Dakota, 1979-86

Year	Farms		Cropland		Pastures	
	Gross Rent Per Acre	Ratio Gross Rent to Value	Gross Rent Per Acre	Ratio Gross Rent to Value	Rent Per Acre	Ratio Rent to Value
	($)	(%)	($)	(%)	($)	(%)
1979	22.40	6.2	27.80	6.4	7.80	4.4
1980	24.10	6.0	30.40	6.4	8.70	4.6
1981	25.50	5.9	31.60	6.1	9.10	4.3
1982	27.30	5.8	32.90	6.1	9.20	4.4
1983	26.90	6.3	32.60	6.5	8.70	4.4
1984	27.36	6.5	32.42	6.7	9.86	5.1
1985	25.68	7.4	31.74	7.6	9.00	5.6
1986	26.89	8.1	29.69	8.1	7.78	5.8

Source: Farm Real Estate Market Developments, E.R.S.

RENT PER ACRE BY DISTRICT,
North Dakota, 1985-86

District	Rented for Cash					
	Farms		Cropland		Pasture	
	1985	1986	1985	1986	1985	1986
	--- Dollars ---					
N.West	23.03	24.36	29.91	25.32	7.13	6.67
N.Cent.	19.50	24.69	25.08	25.53	9.65	7.87
N.East	40.56	36.11	41.77	39.35	9.36	8.15
W.Cent.	17.56	19.25	21.15	23.18	9.00	6.19
Cent.	23.60	23.69	29.25	25.98	8.81	9.17
E.Cent.	37.51	42.69	43.09	44.39	11.04	11.68
S.West	16.42	13.43	19.20	17.52	8.19	7.47
S.Cent.	17.21	16.79	20.71	20.28	8.80	8.14
S.East	31.72	32.74	37.19	34.46	13.94	12.92
STATE	25.68	26.89	31.74	29.69	9.00	7.78

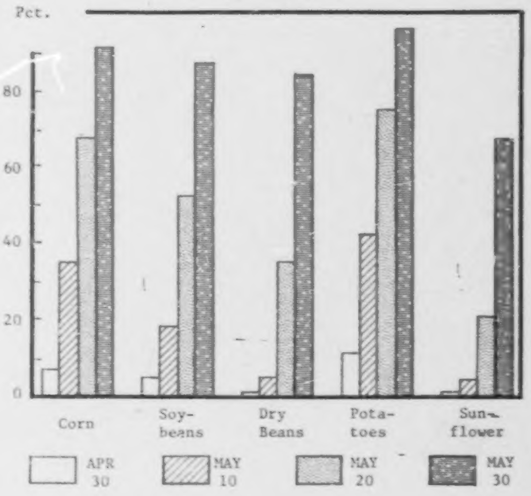
NORTH DAKOTA CROP & WEATHER DATA, 1985

PLANTING AND HARVEST PROGRESS BY DATE AND PRECIPITATION MAP
(Historic data begins on page 91)

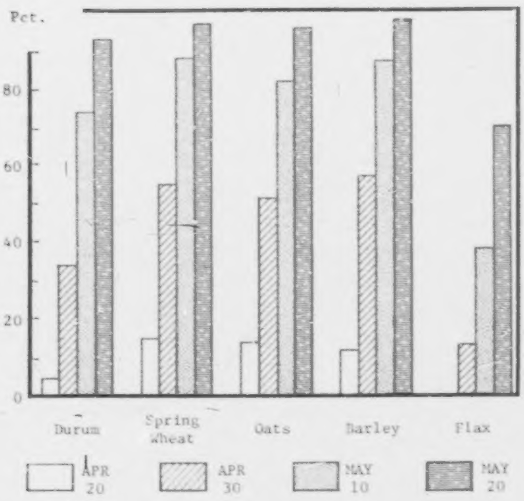
Highlights

- ◆ Small grain seeding and late-season crop planting completed in near record time.
- ◆ Unseasonably cool and wet growing season; good for small grain, held row crops back.
- ◆ Small grain harvest began near the normal time period.
- ◆ Barley and oat harvest completed by the normal time despite continued rain delays.
- ◆ Spring and durum wheat harvest completed late because of wet weather.
- ◆ Slow maturing row crops damaged by frost in northern half of State.
- ◆ Row crop harvests delayed by wet weather and early, heavy snow; some corn and sunflower fields harvested in mid-winter or early spring.

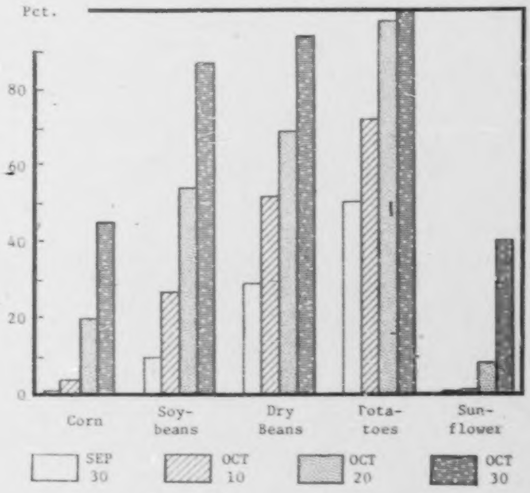
ROW CROPS PLANTED
North Dakota, 1985



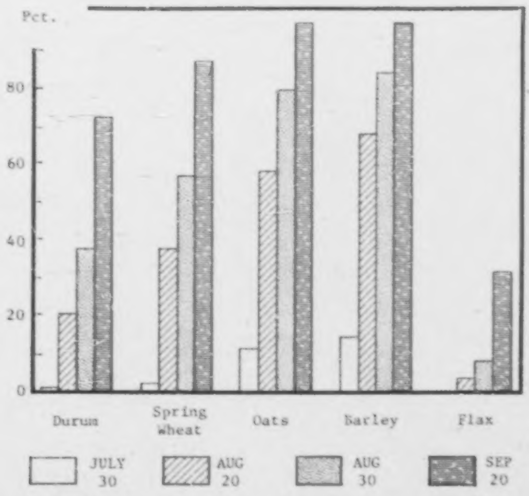
SMALL GRAINS PLANTED
North Dakota, 1985



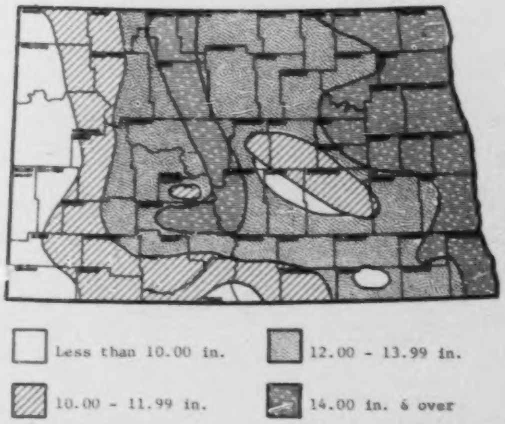
ROW CROPS HARVESTED
North Dakota, 1985



SMALL GRAINS HARVESTED
North Dakota, 1985



ANNUAL GROWING SEASON PRECIPITATION,
April-September, 1985 - North Dakota



PLANTING & HARVEST PROGRESS

PERCENT OF ACREAGE PLANTED AND HARVESTED BY SPECIFIED DATES,
North Dakota, 1985 and 5-Year Average (1981-85)

Crop	Year	Percent Planted by Specified Dates						
		April			May			June
		10	20	30	10	20	30	10
Durum Wheat	1985		5	34	74	93	99	100
	Average	1	4	18	44	70	92	99
Other Spring Wheat	1985	1	15	55	88	97	99	100
	Average	2	10	31	59	80	94	99
Oats	1985		14	51	82	96	99	100
	Average	1	8	28	53	76	93	99
Barley	1985		12	57	87	98	100	
	Average	1	8	29	60	82	94	99
Flax	1985			13	38	70	89	98
	Average		1/	4	13	33	65	88
Corn	1985			7	35	68	91	99
	Average			3	14	41	72	92
Soybeans	1985			5	18	52	87	99
	Average			1	6	37	81	98
Beans, Dry	1985			1	5	35	84	99
	Average			1/	2	21	67	94
Potatoes	1985			11	42	75	96	100
	Average			5	22	58	88	98
Sunflower	1985			1	4	21	67	93
	Average		1/	1/	2	15	53	87
Sugarbeets	1985		5	51	95	100		
	Average	1	12	43	86	97	100	

Crop	Year	Percent Harvested by Specified Lates										
		July	August			September			October			Nov.
		30	10	20	30	10	20	30	10	20	30	10
Durum Wheat	1985	1	9	21	38	59	72	85	88	91	98	
	Average	1	9	37	64	86	93	97	98	98	100	
Other Spring Wheat	1985	3	20	38	57	77	87	94	96	97	100	
	Average	2	18	52	76	91	97	99	99	99	100	
Winter Wheat	1985	31	74	89	99	100						
	Average	20	69	93	100							
Oats	1985	12	39	58	79	92	97	100				
	Average	5	31	63	85	96	99	100				
Barley	1985	15	48	68	84	94	97	100				
	Average	11	45	77	92	98	99	100				
Flax	1985		1	4	9	18	32	49	61	69	92	100
	Average		1	6	19	43	62	77	84	89	96	99
Rye	1985	30	75	87	97	100						
	Average	22	74	94	99	100						
Corn for Grain	1985							1/	4	20	45	76
	Average					1/	2	11	28	42	66	88
Soybeans	1985						1/	10	27	54	87	98
	Average					2	8	29	50	65	85	98
Beans, Dry	1985					3	12	29	51	69	94	100
	Average			1/	5	23	45	66	79	86	96	100
Potatoes	1985			1/	1	6	25	50	72	98	100	
	Average			1	3	13	39	68	83	93	98	100
Sunflower	1985						1/	1/	1	8	40	83
	Average					1/	1	4	14	31	58	86
Sugarbeets	1985						8	19	64	95	100	
	Average					1	6	14	42	67	93	

1/ Less than one-half of one percent.

WEATHER DATA

AVERAGE TEMPERATURE BY MONTHS, BY STATIONS AND CROP REPORTING DISTRICTS, NORTH DAKOTA, 1985 1/
(Degrees F)

District and Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Bowbells	2.3	6.4	30.7	43.3	55.9	55.5	66.5	58.6	49.1	40.0	10.8	7.7	35.6
Crosby	6.3	10.5	32.8	48.4	59.7	59.6	72.0	64.4	51.6	42.7	12.9	11.3	39.4
Fortuna	5.2	8.6	29.9	44.4	55.1	55.8	67.7	60.7	48.0	38.9	10.7	8.9	36.2
Kenmare	6.9	8.5	30.2	44.3	56.7	56.2	67.0	59.6	49.2	40.7	11.6	8.6	36.6
Minot Exp. Station	7.4	8.9	30.8	44.8	57.5	57.2	67.7	61.1	51.7	41.7	13.0	7.4	37.4
Mohall	5.8	7.7	30.9	45.6	56.6	56.2	66.5	60.5	50.2	40.5	11.8	7.2	36.6
Powers Lake	2.7	9.3	30.0	44.5	56.7	55.7	68.6	60.8	49.5	40.3	12.1	5.7	36.3
Williston WSO AP	7.0	13.2	32.4	47.0	58.9	58.8	71.2	64.6	51.2	42.8	13.2	11.2	39.3
NORTHWEST DISTRICT (1)	6.2	10.0	31.7	45.7	57.8	57.3	69.1	61.6	50.2	41.3	12.1	8.9	37.7
Bottineau	3.9	3.6	30.1	44.4	57.5	56.1	66.8	60.8	50.1	40.3	11.0	3.3	35.7
Drake	5.7	10.4	32.3	47.3	60.3	59.5	69.8	63.3	52.5	43.2	12.8	6.2	38.6
Granville	6.2	8.1	30.8	45.6	57.5	57.6	67.3	61.7	51.0	42.2	12.4	6.0	37.2
Leeds	3.8	5.7	29.5	42.9	56.7	56.7	66.3	60.2	50.3	41.1	12.1	3.1	35.7
Rolla	4.7	4.9	27.9	43.1	55.0	54.3	64.9	59.0	48.3	39.5	11.3	5.0	34.8
Rugby	5.2	7.8	30.8	46.6	58.2	58.1	68.0	62.7	51.8	42.7	12.0	4.1	37.3
Upham	2.7	4.6	30.5	45.3	58.0	57.3	66.8	61.3	50.5	40.8	11.5	3.8	36.1
Westhope	4.7	8.3	32.0	47.2	58.9	57.8	66.5	62.0	51.1	42.3	12.4	7.4	37.6
Willow City	2.7	4.5	30.4	44.3	56.6	56.3	66.3	60.6	50.2	41.2	10.1	3.2	35.5
NORTH CENTRAL DISTRICT (2)	4.5	6.3	30.2	45.1	57.4	56.8	67.2	60.9	50.3	41.2	11.7	4.5	36.3
Devils Lake	6.0	8.7	31.4	44.8	58.5	58.4	68.4	62.9	52.3	43.0	15.4	4.7	37.9
Edmore	2.0	5.8	29.5	44.9	57.0	56.7	65.3	60.9	50.3	40.4	10.8	2.0	35.5
Grafton	6.1	9.7	33.1	48.7	61.0	60.5	67.9	63.8	53.1	43.1	13.3	1.8	38.5
Grand Forks FAA AP	6.6	10.9	33.9	47.8	60.4	59.6	66.9	63.1	52.9	42.7	11.6	1.3	38.1
Hannah	.1	3.7	26.9	M	56.9	56.3	65.7	58.7	52.2	45.7	M	M	35.5
Langdon Exp. Farm	.9	2.2	27.2	43.0	55.9	55.3	64.2	58.8	49.0	38.8	10.7	- .6	33.8
Park River	6.0	9.5	32.4	47.8	60.5	60.8	70.3	64.0	53.2	43.4	14.3	4.9	38.9
Pembina	-1.2	.6	28.6	44.3	57.0	57.1	65.0	60.8	50.6	40.5	11.6	- .7	34.5
Petersburg	1.6	4.5	28.6	43.5	56.1	57.6	65.2	60.6	50.5	40.3	12.8	1.2	35.2
NORTHEAST DISTRICT (3)	3.6	6.3	30.5	45.7	58.2	58.3	66.7	61.8	51.7	42.1	12.6	1.9	36.6
Beulah	6.9	11.8	30.9	46.0	59.5	57.9	69.3	62.7	52.5	M	15.2	9.7	38.8
Center	8.7	11.9	31.0	45.6	58.7	57.6	70.1	62.6	53.2	42.6	14.5	10.2	38.9
Dunn Center	9.7	14.7	31.4	47.2	60.3	57.6	71.0	63.3	52.4	42.3	16.6	12.2	39.9
Turtle Lake	5.8	11.1	31.3	45.5	58.7	57.2	68.8	61.4	51.7	42.4	13.9	6.7	37.9
Underwood	7.6	12.8	32.1	47.2	61.7	60.4	71.3	64.4	54.1	44.1	14.9	9.2	40.0
Watford City	12.9	16.4	34.1	48.6	61.6	60.9	73.4	66.5	53.8	45.8	17.1	M	41.7
WEST CENTRAL DISTRICT (4)	8.1	12.8	31.8	46.9	59.7	58.7	70.5	63.4	52.5	43.3	15.1	9.8	39.4
Carrington	4.6	9.0	32.4	44.9	58.7	58.0	68.3	62.7	51.6	43.7	13.4	5.5	37.7
Hurdsfield	4.3	7.4	29.7	44.0	57.6	55.9	67.5	60.7	50.0	40.9	13.2	4.7	36.3
Jamestown FAA Airport	5.5	12.3	33.9	48.9	62.0	62.0	73.4	66.8	55.1	45.7	16.8	7.7	40.8
McHenry	3.1	6.3	30.8	45.1	58.7	57.5	66.8	60.8	51.2	41.1	13.2	3.0	36.5
Pettibone	4.9	9.6	32.4	47.2	59.9	59.7	70.2	63.8	51.8	42.9	13.3	3.7	38.3
Tuttle	5.6	9.2	32.1	45.5	58.7	57.5	69.7	63.3	52.2	41.4	14.5	5.4	37.9
CENTRAL DISTRICT (5)	5.0	10.1	32.2	46.4	59.5	58.9	69.7	63.5	52.5	43.2	14.5	5.7	38.4
Casselton Agronomy Farm	5.5	9.5	33.1	47.6	61.3	60.8	69.6	64.8	54.0	44.0	15.3	2.4	39.0
Colgate	5.5	11.0	32.1	46.8	59.2	59.4	69.5	64.0	52.7	42.8	13.9	2.7	38.3
Cooperstown	6.0	11.8	33.6	47.6	60.6	60.0	70.2	64.5	53.9	43.1	14.7	5.6	39.3
Fargo WSO AP	5.1	10.9	32.9	46.6	60.2	60.0	69.0	64.5	53.9	44.6	15.4	3.9	38.9
Mayville	5.3	10.4	32.1	47.2	59.9	61.0	69.3	63.9	53.1	43.6	15.2	M	38.7
Sharon	4.8	9.7	31.4	46.7	60.3	59.3	67.9	63.3	51.8	42.9	13.9	3.3	37.9
Valley City	4.2	7.5	31.8	44.8	58.1	58.1	67.2	62.0	52.0	41.6	13.5	3.4	37.0
EAST CENTRAL DISTRICT (6)	5.2	10.1	32.4	46.8	59.9	59.8	69.0	64.2	53.1	43.4	14.6	3.7	38.5
Amidon	M	15.5	30.0	46.3	58.6	57.6	71.8	62.8	52.1	44.0	14.4	14.0	39.9
Bowman (Courthouse)	12.3	16.0	30.1	47.0	58.7	57.7	71.8	63.6	52.4	43.4	14.4	14.1	40.1
Dickinson Exp. Station	8.7	13.5	29.2	44.5	56.5	56.4	68.4	60.9	51.3	42.0	14.5	11.2	38.1
Fairfield	10.0	15.9	31.2	47.0	59.1	59.8	71.3	63.2	51.0	43.1	13.7	12.2	39.8
Hettinger	10.9	15.7	30.8	46.9	58.0	58.0	72.2	63.9	53.3	43.6	14.3	13.0	40.1
Medora	14.5	18.4	33.4	49.5	62.1	62.1	74.3	67.7	55.6	47.4	16.9	15.9	43.2
Mott	10.5	15.7	31.1	46.6	58.9	59.1	71.9	64.6	52.9	43.6	15.3	11.9	40.2
Richardton (Abbey)	11.4	16.5	31.5	47.7	60.3	60.3	72.1	64.2	53.0	44.3	15.2	13.4	40.8
SOUTHWEST DISTRICT (7)	11.2	16.4	31.5	47.0	59.2	59.3	71.9	63.9	52.6	43.9	14.9	13.3	40.4
Bismarck WFSO AP	6.2	13.2	31.6	46.0	59.1	59.3	69.9	64.3	53.6	44.3	14.0	9.1	39.2
Carson	7.4	13.7	31.1	46.0	57.8	56.6	69.6	63.1	52.3	43.4	15.4	8.8	38.8
Fort Yates	14.0	18.9	34.8	52.4	64.5	64.9	76.1	68.9	58.7	49.3	18.6	13.2	44.5
Moffit	M	12.5	33.1	48.3	60.6	61.2	72.4	65.8	54.6	45.8	16.5	M	40.8
New Salem	8.7	14.1	31.1	47.6	60.3	59.4	71.1	64.3	52.9	43.9	14.5	9.9	39.8
Wilton	5.5	9.1	30.9	45.5	58.6	56.6	68.2	60.4	M	41.2	13.3	7.2	37.6
SOUTH CENTRAL DISTRICT (8)	8.5	13.5	32.1	47.7	59.9	59.7	71.6	64.5	54.3	44.5	15.3	9.7	40.1
Ashley	4.8	11.2	32.3	46.4	59.6	59.2	71.1	62.9	53.4	43.5	15.5	6.0	38.8
Ellendale	9.4	13.9	34.4	48.5	61.7	60.7	71.1	65.4	54.4	44.7	14.8	6.5	40.5
Forman	5.9	11.8	35.0	48.6	61.1	60.8	70.7	64.6	54.9	44.7	16.3	5.6	40.0
Fullerton	8.3	14.7	34.5	49.3	61.5	61.7	72.5	65.6	55.5	45.4	15.9	7.6	41.0
Hankinson	5.1	10.5	34.2	47.5	61.3	61.8	70.8	65.2	55.6	44.7	16.8	5.6	39.9
Lisbon	4.2	9.9	33.0	49.3	M	54.9	64.9	63.8	54.1	43.7	15.6	4.8	38.3
McLeod	6.2	11.4	32.8	49.6	61.5	62.2	70.9	65.2	54.8	45.1	17.2	4.0	40.1
Napoleon	5.0	9.3	33.0	46.4	59.6	58.1	70.5	M	M	44.2	15.6	4.8	38.8
Wahpeton	7.5	13.0	33.9	49.2	62.5	62.8	70.8	66.0	55.6	45.0	16.9	4.7	40.7
Wishek	5.9	10.3	31.7	45.9	58.5	57.6	69.3	62.0	52.3	42.9	15.4	6.4	38.2
SOUTHEAST DISTRICT (9)	6.0	11.7	33.6	48.2	60.9	60.4	70.6	64.7	54.5	44.4	15.9	5.7	39.7
STATE	6.5	10.8	31.8	46.6	59.2	58.8	69.6	63.2	52.4	43.0	14.0	7.0	38.6

Underlined figures are partially estimated. M - Missing. T - Trace. 1/ Preliminary data. Source: Environmental Data and Information Service.

WEATHER DATA

MONTHLY PRECIPITATION BY STATIONS AND CROP REPORTING DISTRICTS, NORTH DAKOTA, 1985 1/
(Inches)

District and Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Crosby	.35	.20	.14	.62	1.38	1.84	.55	4.70	1.82	.95	.30	.47	13.32
Foxholm	.14	.17	1.49	1.33	3.33	2.75	.84	3.66	1.81	1.75	.89	.71	18.87
Grenora	.13	.15	M	1.95	.82	.79	.92	3.01	1.78	1.00	.12	.44	12.19
Kenmare	.29	.11	.86	.69	3.33	2.17	.82	3.73	2.33	1.60	.72	.51	17.16
Minot Exp. Station	.40	.29	1.62	1.90	3.61	2.86	1.73	4.06	1.41	2.14	1.28	.50	21.80
Mohall	.56	.16	1.31	1.35	3.18	3.15	.61	6.92	2.72	1.92	.79	.21	22.88
Powers Lake	.15	.10	.29	.81	2.86	.91	.66	4.78	1.86	1.81	.21	.29	14.73
Stanley	.36	.24	1.18	1.27	M	2.18	1.39	2.99	3.22	1.60	.65	.42	18.01
Williston WSO	.13	.24	1.07	1.53	1.08	1.12	1.40	1.96	1.08	1.86	.58	.64	12.69
NORTHWEST DISTRICT (1)	.26	.18	1.08	1.18	2.51	1.99	.93	4.08	1.89	1.57	.61	.40	16.68
Bottineau	.47	.27	1.20	.91	2.90	3.57	.19	4.02	1.21	.81	1.00	.39	16.94
Drake	.28	.16	1.35	1.07	3.63	2.18	.71	4.43	1.14	1.49	.60	.19	17.23
Granville	.25	.50	2.78	1.82	3.72	2.87	.97	3.42	1.02	2.55	1.80	.18	21.88
Leeds	.32	.10	1.32	.46	3.26	3.20	.21	4.49	1.16	3.00	2.80	.29	20.61
Rolla	.28	.34	.32	.29	2.72	4.88	.10	3.52	1.05	1.83	1.31	.27	16.91
Rugby	.00	.03	2.08	.37	2.90	2.49	.16	4.31	1.23	3.04	M	M	18.16
Upham	.50	.33	.85	1.96	3.13	2.85	.41	4.00	1.11	1.36	.95	.26	17.71
Westhope	.27	.17	.35	1.13	1.48	3.94	.36	4.27	1.30	1.05	.26	.03	14.61
Willow City	.56	.30	.50	.73	2.59	3.53	.26	3.58	1.39	1.37	.84	.03	15.68
NORTH CENTRAL DISTRICT (2)	.37	.47	1.12	.95	2.83	3.53	.43	3.83	1.16	1.83	1.34	.21	18.07
Devils Lake	.31	.42	.39	.59	4.62	3.98	.39	4.17	3.15	2.34	1.57	.34	22.27
Edmore	.16	.29	.39	.33	3.09	3.60	.10	5.36	1.35	2.12	1.01	.19	17.99
Grafton	.62	.35	.75	1.84	3.90	2.98	1.49	5.68	2.14	1.80	1.76	.40	23.71
Grand Forks FAA AP	.39	.33	1.31	.68	4.32	2.03	1.32	3.17	1.10	1.73	1.47	.37	18.22
Hannah	.00	.00	.00	.10	2.68	5.74	.97	4.70	1.17	1.27	M	M	18.55
Langdon Exp. Farm	.26	.21	.37	.38	2.80	4.75	1.55	7.11	1.19	1.67	.89	.27	21.45
Park River	.31	.45	1.55	1.54	3.03	3.15	1.32	4.32	1.88	2.80	2.08	.38	22.81
Pembina	.02	.37	.20	.71	2.43	4.12	1.60	5.81	2.26	.80	1.46	.24	20.02
Petersburg	.41	.42	1.55	1.11	4.88	3.14	.45	5.43	3.34	5.06	2.46	1.48	29.73
NORTHEAST DISTRICT (3)	.29	.34	.77	.68	3.46	3.53	1.09	5.05	1.76	2.06	1.50	.42	20.95
Butte	.17	.09	1.25	1.95	3.43	2.52	.56	2.78	.87	2.42	1.00	.17	17.21
Center	.01	.73	.00	.94	3.48	2.25	.89	2.67	.87	1.74	.00	.00	13.58
Dunn Center	.04	.01	.68	1.53	2.70	3.05	1.62	1.62	1.51	1.78	.67	.56	15.77
Max	.41	.11	1.12	1.48	3.86	3.59	1.48	2.47	1.67	1.42	.02	.26	17.89
Turtle Lake	.00	.10	1.10	1.57	4.54	2.09	1.98	2.88	1.53	1.00	.90	.30	17.99
Underwood	.38	.11	1.72	1.41	4.01	2.17	1.05	3.00	1.04	1.72	1.22	.32	18.15
Washburn	.25	.12	.60	1.75	M	2.60	1.52	4.09	1.28	1.53	.48	.19	18.03
WEST CENTRAL DISTRICT (4)	.19	.13	1.04	1.43	3.62	2.29	1.28	2.57	1.53	1.75	.85	.38	17.06
Carrington	.37	.20	1.38	.21	2.77	2.54	.90	3.21	.72	1.36	1.62	.28	15.56
Hurdsfield	.50	.10	1.30	.85	3.45	1.09	.95	3.72	1.65	3.19	.96	.38	18.14
Jamestown FAA Airport	.24	.03	1.02	.42	1.88	2.46	.63	4.77	1.05	.90	.78	1.06	15.24
McHenry	.30	.22	.82	.17	5.77	3.33	.74	4.12	1.27	2.22	1.69	.30	20.95
Pettibone	.28	.20	.65	.52	2.19	1.76	.46	1.78	1.52	2.89	.96	.53	13.74
Tuttle	.19	.15	.53	1.03	3.40	1.80	.50	1.89	1.19	2.74	.64	.28	14.34
CENTRAL DISTRICT (5)	.33	.15	1.01	.50	3.21	2.44	.79	3.69	1.25	2.63	1.16	.35	17.51
Casselton Agronomy Farm	.52	.29	1.47	.53	6.39	3.60	1.36	3.57	1.99	1.42	1.89	.77	23.80
Colgate	.06	.00	.55	.71	3.47	2.05	1.45	2.62	1.06	1.22	1.01	.07	14.27
Cooperstown	.25	.29	1.21	.75	7.56	2.18	.62	3.64	.50	1.00	2.15	T	20.15
Fargo WSO	.20	.18	1.35	.50	5.03	1.44	3.91	2.30	1.39	1.12	1.06	.59	19.17
Mayville	.36	.43	1.53	.38	3.48	1.45	1.13	7.10	1.15	1.74	1.80	M	20.96
Sharon	.25	.24	1.70	1.28	5.44	4.22	.97	4.12	1.03	1.97	1.82	.47	23.51
Valley City	.19	.07	.97	.31	3.90	2.09	.81	4.33	1.62	.92	1.20	.24	16.65
EAST CENTRAL DISTRICT (6)	.26	.21	1.25	.65	5.04	2.43	1.59	4.02	1.25	1.35	1.45	.41	19.91
Amidon	M	.00	.68	.66	4.06	1.21	1.88	2.22	1.60	.73	2.19	.97	16.27
Bowman	.13	.06	1.30	.46	2.00	2.04	1.32	2.28	1.28	.66	1.35	.91	13.79
Dickinson Exp. Station	.08	.06	.68	.87	4.31	2.13	1.91	1.75	1.61	2.05	.85	.68	16.98
Fairfield	.03	.03	.72	1.21	2.02	1.13	1.05	1.11	1.57	1.56	.64	.94	12.01
Hettinger	.08	.02	.90	.83	3.02	1.94	1.18	2.63	.69	.97	.86	.89	14.01
Medora	.03	.01	.72	1.39	2.41	.40	2.85	.93	1.57	1.58	.57	.59	13.05
Mott	T	T	1.19	1.83	3.07	1.79	.75	2.13	.70	1.10	1.08	.71	14.35
Richardton (Abbey)	.07	.04	.94	1.96	4.52	1.89	1.36	1.99	1.08	1.81	.87	.60	17.13
SOUTHWEST DISTRICT (7)	.07	.03	.81	1.19	3.17	1.75	1.51	1.91	1.39	1.44	.98	.78	15.03
Bismarck WFSO AP	.27	.03	.80	1.77	4.13	1.80	.55	4.61	1.29	1.33	.91	.35	17.84
Carson	T	T	.73	.91	2.81	2.08	.73	4.19	.90	.76	.79	.17	14.07
Fort Yates	.09	T	.79	.29	1.40	1.87	1.63	1.64	1.77	2.31	.70	.24	12.73
Moffit	M	.03	.15	.79	3.22	2.13	.67	4.47	1.01	2.58	.48	M	16.11
New Salem	.11	.04	1.49	1.67	3.21	2.46	1.69	4.13	1.62	1.71	1.15	.58	19.86
Pretty Rock	.07	T	1.22	1.88	3.46	2.27	.97	1.28	.87	1.00	1.05	.51	14.58
Wilton	.27	.17	.47	2.24	4.83	2.37	1.27	4.47	1.95	1.37	.62	.28	20.31
SOUTH CENTRAL DISTRICT (8	.15	.03	.81	1.32	3.47	2.10	1.07	3.24	1.31	1.47	.91	.43	16.31
Ashley	.09	T	.76	.94	3.59	1.51	1.38	2.59	1.68	1.52	1.30	.21	15.57
Ellendale	.10	.00	.69	.80	4.92	2.08	.91	2.57	2.71	1.77	.46	.13	17.14
Forman	.34	.05	1.22	.33	4.56	2.29	1.40	2.06	1.99	1.47	1.65	.60	17.96
Fullerton	.39	.08	1.80	.52	4.21	1.35	.59	1.76	1.24	1.19	1.58	.35	15.06
Hankinson	.31	.14	1.67	1.22	6.46	2.10	3.59	3.58	2.24	1.26	1.75	.79	25.11
Lisbon	.23	.05	.95	.10	4.10	1.60	1.25	2.64	1.51	1.23	1.17	.19	15.02
McLeod	.24	.09	1.45	.59	4.07	1.63	.57	3.08	1.47	1.20	.77	.94	16.10
Napoleon	.41	.10	.74	1.29	3.63	2.98	1.18	M	M	2.04	1.26	.51	18.85
Wahpeton	.12	.10	.93	1.48	6.79	3.21	1.72	4.34	2.42	1.54	1.08	.22	23.95
Wishek	.00	.25	M	1.69	3.32	2.01	1.15	1.80	1.50	1.60	.30	M	15.16
SOUTHEAST DISTRICT (9)	.22	.06	1.09	.65	4.39	2.02	1.27	2.77	1.94	1.40	1.23	.45	17.49
STATE	.24	.18	1.00	.95	3.52	2.45	1.11	3.46	1.50	1.72	1.11	.43	17.67

Underlined figures are partially estimated. M - Missing. T - Trace. 1/ Preliminary data. Source: Environmental Data and Information Service.

CROPS

NORTH DAKOTA CROP SUMMARY, 1985

The Season in Review

The 1985 crop season will be remembered as one with very unusual weather which proved both highly beneficial and destructive for crops in North Dakota. Record or near record State yields were set for the second straight year for small grains, while development of late-season crops was slowed by unseasonably cool weather.

Spring seeding was uncomplicated for the second year in a row, thanks to open spring weather. Topsoil moisture supplies were below normal at the start of seeding in early April, but by May 19th, 87 percent of the State had adequate topsoil moisture supplies.

Small grain seeding progressed without delay and was virtually complete by May 26, over 2 weeks ahead of normal and one of the earliest completion dates ever. The 9th of June saw all late-season crops planted except sunflower (92% complete), well ahead of normal.

One of the coolest growing seasons ever followed seeding, resulting in virtually no heat stress on crops. Moisture supplies were adequate or better for most areas throughout the growing season, with the exception of dry pockets in the northwest, southwest and south central districts. These conditions combined with improved growing practices, seed varieties and high fertilizer carryover to produce a second consecutive year of record or near-record small grain yields. Ever-increasing numbers of grasshoppers did their best to hold down production in north central and western growing areas, and were quite successful on an individual farm basis.

The cool growing season seriously hampered late-season crop development and maturity. The State's first fall frost hit hard on September 23-25 and seriously damaged later planted crops in the northern half of the State. On September 22 a third or more of each late-season crop was rated only fair to poor.

Small grain harvest began in mid-July, one of the earliest starting dates, but was not completed until late October, well behind normal. A period of high humidity and rainfall prevailed from early August until early October, delaying harvest and causing grain quality problems for many growers. Heavy snowfall in late September added further complications to unharvested acreages.

Harvest of all late-season crops got off to a poor start due to the cool and wet weather conditions. On October 7th and 8th, heavy snowfall on the northern half of the State further delayed harvest some until next spring. As late as January 5, 1986, 5 percent of the corn acreage and 2 percent of the sunflower remained in the fields.

Acreage & Production Summary

The total planted acreage of all estimated crops in 1985 was 21.9 million acres, up 2 percent from 21.5 million in 1984. Total crop output in North Dakota for 1985 increased 5 percent over 1984 to a record high, just slightly above the previous high set in 1982.

Average yields per acre were up from 1984 for all small grains except winter wheat and rye. Record State average yields were established for other spring wheat, durum, and for barley. Yields for most late-season crops were above 1984 yields.

Abandonment for all small grains was near to slightly above normal due to inclement weather. The exceptional yields in most areas prompted farmers to make every effort to harvest the crops, despite weather conditions and insect damage. Row crops showed significantly more abandonment due to frost damage and heavy snowfall. The corn and sunflower crops sustained the heaviest damage.

Index of Crop Production - North Dakota
1976-85 (1967=100)

Year	Grains			Oil Crops	Misc. 1/	Hay	All Crops
	Food	Feed	All				
1976	158	89	137	88	189	96	132
1977	126	118	123	244	238	78	134
1978	157	133	150	328	261	152	171
1979	139	94	125	586	213	125	164
1980	98	56	86	274	213	54	104
1981	179	131	165	406	308	104	184
1982	178	133	164	497	244	119	188
1983	107	140	117	388	223	108	143
1984	156	173	162	433	247	108	180
1985	177	193	182	351	276	91	189

1/ Non-oil sunflower, potatoes, sugarbeets, dry edible beans, alfalfa seed.

NORTH DAKOTA'S PRINCIPAL CROPS: ACREAGE, YIELD, PRODUCTION

DOMESTIC UNITS

Crop	Acreage Planted		Acreage Harvested		Yield per Acre		UNIT	Production	
	1984	1985	1984	1985	1984	1985		1984	1985
	(000)	(000)	(000)	(000)				(000)	(000)
Corn, Grain			630	560	66.0	72.0	Bu.	41,580	40,320
Silage			323	360	5.8	5.4	Tons	1,873	1,944
Forage			13	40			---		
All	970	1000	966	960			---		
Wheat, Durum	2,750	2,750	2,710	2,690	29.0	35.5	Bu.	78,590	95,495
Spring 1/	5,450	5,850	5,400	5,730	34.0	37.0	Bu.	183,600	212,010
Winter	620	750	550	450	40.0	35.0	Bu.	22,000	15,750
All	8,820	9,350	8,660	8,870	32.8	36.4	Bu.	284,190	323,255
Oats	1,150	1,175	980	840	51.0	53.0	Bu.	49,980	44,520
Barley	2,950	3,500	2,900	3,350	53.0	55.0	Bu.	153,700	184,250
Rye	155	100	150	80	36.0	33.0	Bu.	5,400	2,640
Flaxseed	400	460	390	445	12.5	13.5	Bu.	4,875	6,008
Soybeans	750	500	740	490	23.0	26.0	Bu.	17,020	12,740
Beans, Dry Edible	205	260	200	237	12.6	12.7	Cwt.	2,520	3,010
Sunflower, Oil	2,630	1,970	2,600	1,820	970	1080	Lbs.	2,522,000	1,965,600
Non-Oil	220	220	217	210	1050	1220	Lbs.	227,850	256,200
All	2,850	2,190	2,817	2,030	976	1094	Lbs.	2,749,850	2,221,800
Millet for Grain	95	100	82	79	28.0	39.0	Bu.	2,296	3,081
Mustard	30	40	29	39	830.0	800.0	Lbs.	24,070	31,200
Sugarbeets	139.8	144.8	139.1	144.2	16.6	16.8	Tons	2,309	2,423
Potatoes, Fall	136	145	133	139	155.0	170.0	Cwt.	20,615	23,630
Hay, Alfaifa			1,550	1,500	1.75	1.40	Tons	2,713	2,100
All Other			1,350	1,450	1.30	1.15	Tons	1,755	1,668
All			2,900	2,950	1.54	1.28	Tons	4,468	3,768
Summer Fallow	6,000	6,400							
Total Acres 2/	21,551	21,915	21,086	20,653					

METRIC UNITS

Crop	Hectares Planted		Hectares Harvested		Yield per Hectare Metric Tons		Production Metric Tons	
	1984	1985	1984	1985	1984	1985	1984	1985
Corn, Grain			254,950	226,620	4.14	4.52	1,056,180	1,024,180
Silage			130,710	145,690	13.00	12.10	1,699,160	1,763,570
Forage			5,260	16,190				
All	392,550	404,690	390,920	388,500				
Wheat, Durum	1,112,900	1,112,900	1,096,710	1,088,620	1.95	2.39	2,138,870	2,598,950
Spring 1/	2,205,560	2,367,430	2,185,330	2,318,870	2.29	2.49	4,996,770	5,769,970
Winter	250,910	303,520	222,580	182,110	2.69	2.35	598,740	428,640
All	3,569,370	3,783,850	3,504,620	3,589,600	2.21	2.45	7,734,380	8,797,560
Oats	465,390	475,510	396,600	339,940	1.83	1.90	725,460	646,210
Barley	1,193,840	1,416,420	1,173,600	1,355,710	2.85	2.96	3,346,420	4,011,570
Rye	62,730	40,470	60,700	32,380	2.26	2.07	137,170	67,060
Flaxseed	161,880	186,160	157,830	180,090	.78	.85	123,830	152,610
Soybeans	303,520	202,350	299,470	198,300	1.55	1.75	463,210	346,730
Beans, Dry Edible	82,960	105,220	80,940	95,910	1.41	1.42	114,300	136,530
Sunflower, Oil	1,064,330	797,240	1,052,190	736,540	1.09	1.21	1,143,950	891,580
Non-Oil	89,030	89,030	87,820	84,980	1.18	1.37	103,350	116,210
All	1,153,360	886,270	1,140,010	821,520	1.09	1.23	1,247,300	1,007,790
Millet for Grain	38,450	40,470	33,180	31,970	1.54	2.14	51,030	68,480
Mustard	12,140	16,190	11,740	15,780	.93	.90	10,920	14,150
Sugarbeets	56,580	58,600	56,290	58,360	37.21	37.66	2,094,690	2,198,110
Potatoes, Fall	55,040	58,680	53,820	56,250	17.37	19.05	935,080	1,071,830
Hay, Alfalfa			627,270	607,040	3.92	3.14	2,461,190	1,905,090
All Other			546,330	586,800	2.91	2.58	1,592,110	1,513,180
All			1,173,600	1,193,840	3.45	2.86	4,053,300	3,418,270
Summer Fallow	2,428,140	2,590,020						
Total Hectares 2/	8,721,410	8,868,720	8,533,320	8,358,150			23,792,430	24,724,650

1/ Spring Wheat other than Durum. 2/ Planted acres include harvested for hay.

HISTORIC ESTIMATES, PRINCIPAL CROPS, NORTH DAKOTA, 1976-85

ACREAGE, YIELD AND PRODUCTION

Year	Acres Planted	Acres Harvested	Yield per Acre Harvested	Production
	(000)	(000)	(Bu.)	(000 Bu.)
		ALL WHEAT		
1976	11,930	11,655	24.7	287,830
1977	9,960	9,254	24.8	229,907
1978	9,760	9,585	29.8	286,065
1979	9,900	9,600	26.3	252,235
1980	11,735	9,620	18.7	179,650
1981	11,825	11,570	28.4	328,260
1982	10,525	10,300	31.5	324,835
1983	7,370	7,205	26.9	194,130
1984	8,820	8,660	32.8	284,190
1985	9,350	8,870	36.4	323,255
		OTHER SPRING WHEAT		
1976	8,080	7,900	24.5	193,550
1977	7,200	6,680	25.0	167,000
1978	6,300	6,210	29.0	180,090
1979	6,400	6,230	26.5	165,095
1980	7,200	5,700	18.5	105,450
1981	7,200	7,050	28.0	197,400
1982	6,850	6,750	31.0	209,250
1983	5,100	5,000	27.0	135,000
1984	5,450	5,400	34.0	183,600
1985	5,850	5,730	37.0	212,010
		DURUM WHEAT		
1976	3,710	3,620	25.0	90,500
1977	2,600	2,470	24.5	60,515
1978	3,300	3,240	31.5	102,060
1979	3,330	3,250	26.0	84,500
1980	4,400	3,850	19.0	73,150
1981	4,500	4,410	29.0	127,890
1982	3,500	3,410	32.5	110,825
1983	2,090	2,050	26.5	54,325
1984	2,750	2,710	29.0	78,590
1985	2,750	2,690	35.5	95,495
		WINTER WHEAT		
1976	140	135	28.0	3,780
1977	160	104	23.0	2,392
1978	160	135	29.0	3,915
1979	170	120	22.0	2,640
1980	135	70	15.0	1,050
1981	125	110	27.0	2,970
1982	175	140	34.0	4,760
1983	180	155	31.0	4,805
1984	620	550	40.0	22,000
1985	750	450	35.0	15,750
		OATS		
1976	1,320	1,180	38.0	44,840
1977	1,900	1,500	40.0	60,000
1978	1,320	1,160	54.0	62,640
1979	1,050	840	44.0	36,960
1980	1,050	450	30.0	13,500
1981	1,200	960	46.0	44,160
1982	1,200	1,050	53.0	55,650
1983	1,500	1,260	50.5	63,630
1984	1,150	980	51.0	49,980
1985	1,175	840	53.0	44,520
		BARLEY		
1976	2,200	2,140	38.0	81,320
1977	2,690	2,530	39.0	98,670
1978	2,500	2,450	46.0	112,700
1979	1,700	1,650	46.0	75,900
1980	1,850	1,500	32.0	48.000
1981	2,150	2,100	48.0	100,800
1982	2,000	1,950	53.0	103,350
1983	2,600	2,520	45.5	114,660
1984	2,950	2,900	53.0	153,700
1985	3,500	3,350	55.0	184,250

Year	Acres Planted	Acres Harvested	Yield per Acre Harvested	Production
	(000)	(000)	(Bu.)	(000 Bu.)
		RYE		
1976	120	111	25.5	2,831
1977	110	80	26.0	2,080
1978	200	180	30.0	5,400
1979	150	140	28.0	3,920
1980	70	50	21.0	1,050
1981	75	70	31.0	2,170
1982	80	75	32.0	2,400
1983	140	135	32.0	4,320
1984	155	150	36.0	5,400
1985	100	80	33.0	2,640
		FLAXSEED		
1976	495	470	8.0	3,760
1977	750	700	10.0	7,000
1978	360	350	11.5	4,025
1979	480	460	13.0	5,980
1980	330	270	10.0	2,700
1981	330	320	12.5	4,000
1982	460	435	13.5	5,873
1983	410	400	11.5	4,600
1984	400	390	12.5	4,875
1985	460	445	13.5	6,008
		SUGARBEETS		
	(000)	(000)	(Tons)	(000 Tons)
1976	153.2	149.8	13.5	2,022
1977	157.8	155.2	17.8	2,769
1978	156.2	155.2	19.7	3,054
1979	145.3	143.1	16.1	2,304
1980	147.6	142.7	14.1	2,017
1981	145.6	144.9	18.6	2,695
1982	145.7	144.8	17.1	2,476
1983	143.1	142.2	16.9	2,404
1984	139.8	139.1	16.6	2,309
1985	144.8	144.2	16.8	2,423
		POTATOES		
	(000)	(000)	(Cwt.)	(000 Cwt.)
1976	126	123	140	17,220
1977	142	140	160	22,400
1978	137	135	175	23,625
1979	121	114	160	18,240
1980	114	112	140	15,680
1981	119	115	175	20,125
1982	122	115	150	17,250
1983	132	128	160	20,480
1984	136	133	155	20,615
1985	145	139	170	23,630
		ALL DRY EDIBLE BEANS		
	(000)	(000)	(Cwt.)	(000 Cwt.)
1976	144	139	8.0	1,112
1977	115	105	10.5	1,103
1978	118	113	11.0	1,243
1979	110	105	13.5	1,418
1980	265	255	10.5	2,678
1981	430	415	11.0	4,565
1982	300	240	10.5	2,520
1983	170	160	10.3	1,648
1984	205	200	12.6	2,520
1985	260	237	12.7	3,010

Dry Beans by Commercial Classes (000 Cwt.)

Year	Peas, Navy	Great Northern	Pinto	Other	Total
1976	63	5	1,043	1	1,112
1977	150	9	944	0	1,103
1978	270	3	966	4	1,243
1979	247	3	1,158	10	1,418
1980	404	0	2,248	26	2,678
1981	870	0	3,570	125	4,565
1982	840	0	1,596	84	2,520
1983	598	0	1,020	30	1,648
1984	960	0	1,500	60	2,520
1985	1,451	0	1,534	25	3,010

HISTORIC ESTIMATES CONT.
ACREAGE, YIELD AND PRODUCTION

Year	Acres Planted	Acres Harv.	Acres Harv.	Yield per Acre	Production
	(000)	(000)	(000)	(Bu.)	(000 Bu.)
	ALL CORN		CORN FOR GRAIN		
1976	510	501	204	40.0	8,160
1977	620	600	260	73.0	18,980
1978	600	593	300	79.0	23,700
1979	590	580	313	76.0	23,788
1980	700	655	290	58.0	16,820
1981	900	893	513	81.0	41,553
1982	890	880	520	68.0	35,360
1983	720	708	435	67.0	29,145
1984	970	966	630	66.0	41,580
1985	1,000	960	560	72.0	40,320

Year	Acres Harvested	Yield per Acre	Production	Acres
	(000)	(Ton)	(000 Tons)	(000)
		CORN SILAGE		FORAGE
1976	280	5.0	1,400	17
1977	309	5.1	1,576	31
1978	274	6.7	1,836	19
1979	252	6.7	1,688	15
1980	326	4.3	1,402	39
1981	366	7.3	2,672	14
1982	348	6.2	2,158	12
1983	262	6.3	1,651	11
1984	323	5.8	1,873	13
1985	360	5.4	1,944	40

Year	Acres Planted	Acres Harvested	Yield per Acre Harv.	Production
	(000)	(000)	(Bu.)	(000 Bu.)
		SOYBEANS		
1976	150	147	12.5	1,838
1977	180	175	20.0	3,500
1978	175	173	27.5	4,758
1979	210	206	27.0	5,562
1980	210	200	17.5	3,500
1981	250	245	28.0	6,860
1982	425	415	21.0	8,715
1983	540	530	27.0	14,310
1984	750	740	23.0	17,020
1985	500	490	26.0	12,740
		SUNFLOWER - OIL		
	(000)	(000)	(Pounds)	(000 Lbs.)
1976	433	420	1000	420,000
1977	1,190	1,155	1270	1,466,850
1978	1,740	1,731	1340	2,319,540
1979	3,300	3,220	1360	4,379,200
1980	2,200	2,050	980	2,009,000
1981	2,420	2,400	1200	2,880,000
1982	3,190	3,140	1100	3,454,000
1983	2,230	2,200	1040	2,288,000
1984	2,630	2,600	970	2,522,000
1985	1,970	1,820	1080	1,965,600
		SUNFLOWER - NON-OIL		
1976	187	180	1000	180,000
1977	170	165	1160	191,400
1978	180	179	1260	225,540
1979	160	158	1300	205,400
1980	200	185	930	172,050
1981	230	228	1220	278,160
1982	210	208	1200	249,600
1983	145	144	1100	158,400
1984	220	217	1050	227,850
1985	220	210	1220	256,200
		SUNFLOWER - ALL		
1976	620	600	1000	600,000
1977	1,360	1,320	1255	1,658,250
1978	1,920	1,910	1333	2,545,080
1979	3,460	3,378	1357	4,584,600
1980	2,400	2,235	976	2,181,050
1981	2,650	2,628	1202	3,158,160
1982	3,400	3,348	1106	3,703,600
1983	2,375	2,344	1044	2,446,400
1984	2,850	2,817	976	2,749,850
1985	2,190	2,030	1094	2,221,800

Year	Acres Harvested	Yield per Acre	Production
	(000)	(Tons)	(000 Tons)
		ALL HAY	
1976	3,440	1.16	3,976
1977	3,140	1.03	3,229
1978	3,430	1.83	6,285
1979	3,200	1.62	5,178
1980	2,500	.90	2,245
1981	2,900	1.49	4,315
1982	2,800	1.75	4,913
1983	2,900	1.54	4,478
1984	2,900	1.54	4,468
1985	2,950	1.28	3,768
		ALFALFA HAY	
1976	1,840	1.30	2,392
1977	1,600	1.20	1,920
1978	1,900	2.10	3,990
1979	1,850	1.85	3,423
1980	1,200	.95	1,140
1981	1,600	1.60	2,560
1982	1,550	2.00	3,100
1983	1,550	1.80	2,790
1984	1,550	1.75	2,713
1985	1,500	1.40	2,100
		OTHER HAY	
1976	1,600	.99	1,584
1977	1,540	.85	1,309
1978	1,530	1.50	2,295
1979	1,350	1.30	1,755
1980	1,300	.85	1,105
1981	1,300	1.35	1,755
1982	1,250	1.45	1,813
1983	1,350	1.25	1,688
1984	1,350	1.30	1,755
1985	1,450	1.15	1,668

Year	Acres Planted	Acres Harvested	Yield per Acre Harv.	Production
		MILLET		
	(Acres)	(Acres)	(Bu.)	(000 Bu.)
1976	118,000	91,000	15.0	1,365
1977	210,000	166,000	30.0	4,980
1978	85,000	70,000	28.5	1,995
1979	80,000	65,000	32.0	2,080
1980	160,000	50,000	28.0	1,400
1981	130,000	85,000	33.0	2,805
1982	75,000	55,000	24.0	1,320
1983	75,000	60,000	29.0	1,740
1984	95,000	82,000	28.0	2,296
1985	100,000	79,000	39.0	3,081
		MUSTARD		
	(Acres)	(Acres)	(Pounds)	(000 Lbs.)
1980	50,000	41,000	650	26,650
1981	70,000	69,000	920	63,480
1982	26,000	25,000	900	22,500
1983	33,000	31,000	650	20,150
1984	30,000	29,000	830	24,070
1985	40,000	39,000	800	31,200

Year	Summerfallow	Principal Crops Total	
		Planted*	Harvested
	- - - Thousand Acres - - -		
1976	6,440	21,312	20,747
1977	6,380	21,249	19,865
1978	6,550	20,716	20,304
1979	6,500	21,181	20,524
1980	6,450	21,497	18,081
1981	5,200	23,155	22,515
1982	5,300	22,409	21,833
1983	6,900	19,078	18,523
1984	6,000	21,476	21,086
1985	6,400	21,595	20,653

*Includes acres harvested for hay.

HISTORIC ESTIMATES CONT.

SEASON AVERAGE PRICE AND VALUE OF PRODUCTION

Crop of	Season Avg. Price*	Value of Production	Value per Harvested Acre	Crop of	Season Avg. Price*	Value of Production	Value per Harvested Acre	Crop of	Season Avg. Price*	Value of Production	Value per Harvested Acre
	($/Bu.)	(000 $)	($/Acre)		($/Bu.)	(000 $)	($/Acre)		($/Bu.)	(000 $)	($/Acre)
		ALL WHEAT				RYE				SOYBEANS	
1976	2.60	748,932	64.26	1976	2.40	6,794	61.21	1976	7.30	13,417	91.27
1977	2.47	567,367	61.31	1977	1.80	3,744	46.80	1977	5.83	20,405	116.60
1978	2.84	813,154	84.84	1978	1.69	9,126	50.70	1978	6.75	32,117	185.65
1979	3.82	964,142	100.43	1979	1.70	6,664	47.60	1979	5.80	32,260	156.60
1980	4.40	790,157	82.14	1980	2.64	2,772	55.44	1980	7.02	24,570	122.85
1981	3.54	1,162,572	100.48	1981	2.77	6,011	85.87	1981	5.66	38,828	158.48
1982	3.69	1,199,074	116.41	1982	2.01	4,824	64.32	1982	5.41	47,148	113.61
1983	3.76	730,541	101.39	1983	1.91	8,251	61.12	1983	7.34	105,035	198.18
1984	3.53	1,003,343	115.86	1984	2.00	10,800	72.00	1984	5.51	93,780	126.73
1985	3.32	1,073,668	121.04	1985	1.95	5,148	64.35	1985	4.85	61,789	126.10
		SPRING WHEAT OTHER THAN DURUM				FLAXSEED				SUNFLOWER - OIL*	
1976	2.67	516,779	65.42	1976	7.18	26,997	57.44	1976	10.80	45,360	108.00
1977	2.40	400,800	60.00	1977	4.64	32,480	46.40	1977	10.50	154,019	133.35
1978	2.80	504,252	81.20	1978	5.84	23,506	67.16	1978	10.40	241,232	139.36
1979	3.53	582,785	93.54	1979	5.76	34,445	74.88	1979	8.76	383,618	119.14
1980	3.92	413,364	72.52	1980	7.18	19,386	71.80	1980	10.80	216,972	105.84
1981	3.59	708,666	100.52	1981	6.57	26,280	82.13	1981	10.50	302,400	126.00
1982	3.71	776,318	115.01	1982	5.14	30,187	69.40	1982	8.60	297,044	94.60
1983	3.69	498,150	99.63	1983	6.83	31,418	78.55	1983	13.00	297,440	135.20
1984	3.50	642,600	119.00	1984	6.07	29,591	75.87	1984	11.00	277,420	106.70
1985	3.40	720,834	125.80	1985	5.00	30,040	67.51	1985	7.70	151,351	83.16
		DURUM				SUGARBEETS*				SUNFLOWER - NON-OIL*	
1976	2.47	223,535	61.75	1976	19.70	39,833	265.91	1976	11.70	21,060	117.00
1977	2.66	160,970	65.17	1977	21.40	59,257	381.81	1977	10.90	20,863	126.44
1978	2.93	299,036	92.30	1978	22.90	69,937	450.63	1978	10.90	24,584	137.34
1979	4.41	372,645	114.66	1979	34.10	78,566	549.03	1979	11.70	24,032	152.10
1980	5.10	373,065	96.90	1980	46.30	93,387	654.43	1980	13.20	22,711	122.76
1981	3.47	443,778	100.63	1981	20.50	55,248	381.28	1981	13.20	36,717	161.04
1982	3.66	405,620	118.95	1982	35.70	88,393	610.45	1982	12.10	30,202	145.20
1983	3.97	215,670	105.20	1983	35.40	85,102	598.47	1983	12.80	20,275	140.80
1984	3.70	290,783	107.30	1984	37.00	85,433	614.18	1984	14.90	33,950	156.45
1985	3.20	305,584	113.60	1985	1/	1/	1/	1985	13.40	34,331	163.48
		WINTER WHEAT				POTATOES*				SUNFLOWER - TOTAL*	
1976	2.28	8,618	63.84	1976	3.45	59,409	483.00	1976	11.10	66,420	110.70
1977	2.34	5,597	53.82	1977	2.70	60,480	432.00	1977	10.60	174,882	132.49
1978	2.52	9,866	73.08	1978	2.60	61,425	455.00	1978	10.40	265,816	139.17
1979	3.30	8,712	72.60	1979	3.25	59,280	520.00	1979	8.89	407,650	120.68
1980	3.55	3,728	53.26	1980	6.85	107,408	959.00	1980	11.00	239,683	107.24
1981	3.41	10,128	92.07	1981	4.05	81,506	708.75	1981	10.70	339,117	129.04
1982	3.60	17,136	122.40	1982	4.35	75,038	652.50	1982	8.84	327,246	97.74
1983	3.48	16,721	107.88	1983	4.90	100,352	784.00	1983	13.00	317,715	135.54
1984	3.18	69,960	127.20	1984	4.65	95,860	720.75	1984	11.30	311,370	110.53
1985	3.00	47,250	105.00	1985	3.50	82,705	595.00	1985	8.36	185,682	91.47
		OATS				DRY EDIBLE BEANS*				ALL HAY*	
1976	1.37	61,431	52.06	1976	11.20	12,454	89.60	1976	45.50	180,908	52.59
1977	.94	56,400	37.60	1977	15.80	17,427	165.97	1977	44.00	142,076	45.25
1978	1.00	62,640	54.00	1978	13.50	16,781	148.50	1978	36.00	226,260	65.97
1979	1.16	42,874	51.04	1979	22.50	31,905	303.86	1979	37.50	194,175	60.68
1980	1.77	23,895	53.10	1980	24.70	66,147	259.40	1980	75.00	168,375	67.35
1981	1.63	71,981	74.98	1981	19.80	90,387	217.80	1981	58.00	250,270	86.30
1982	1.20	66,780	63.60	1982	11.30	28,476	118.65	1982	41.50	203,890	72.82
1983	1.37	87,173	69.18	1983	18.70	30,818	192.61	1983	39.00	174,642	60.22
1984	1.42	70,972	72.42	1984	16.10	40,572	202.86	1984	43.00	192,124	66.25
1985	1.05	46,746	55.65	1985	14.70	44,247	186.70	1985	52.50	197,820	67.06
		BARLEY				CORN				TOTAL PRINCIPAL CROPS	
1976	2.24	182,157	85.12	1976	2.19	17,870	85.60	1976		1,416,622	69.58
1977	1.54	151,952	60.06	1977	1.97	37,391	143.81	1977		1,323,861	68.38
1978	1.78	200,606	81.88	1978	2.06	48,822	162.74	1978		1,830,190	91.78
1979	2.06	156,354	94.76	1979	2.13	50,668	161.88	1979		2,058,983	102.19
1980	2.62	125,760	83.84	1980	2.87	48,273	166.46	1980		1,709,813	97.01
1981	2.15	216,720	103.20	1981	2.39	99,312	193.59	1981		2,438,232	110.93
1982	1.90	196,365	100.70	1982	2.69	95,118	182.92	1982		2,362,539	110.44
1983	2.19	251,105	99.64	1983	3.02	88,018	202.34	1983		2,010,170	110.70
1984	1.94	298,178	102.82	1984	2.54	105,613	167.64	1984		2,337,636	113.26
1985	1.75	332,438	96.25	1985	2.35	94,752	169.20	1985		2,145,035	107.30

*Season average price: sugarbeets and hay, dollars per ton; potatoes, sunflower and dry edible beans, dollars per hundredweight. 1/ Sugarbeets are not included for 1985 as price is not available.

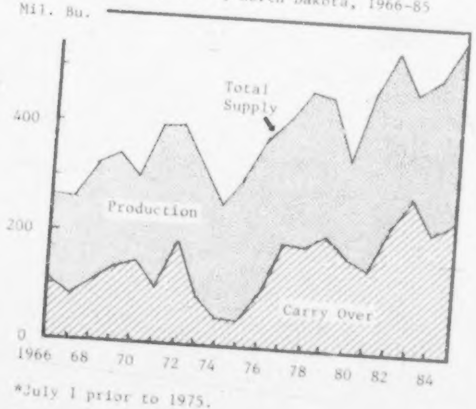
GRAIN STOCKS

STOCKS BY POSITIONS, QUARTERLY, NORTH DAKOTA, 1976-85

Year Beginning Oct. 1	On Farm				Off Farm				TOTAL			
	Oct. 1	Jan. 1	April 1	June 1	Oct. 1	Jan. 1	April 1	June 1	Oct. 1	Jan. 1	April 1	June 1
	Thousand Bushels											
ALL WHEAT												
1976	238,899	207,238	175,576	161,185	67,449	55,849	46,224	33,400	306,348	263,087	221,800	194,585
1977	298,879	246,000	209,215	156,337	58,339	47,578	41,199	32,804	357,218	293,578	250,414	189,141
1978	314,672	271,762	243,155	180,221	64,186	47,076	43,565	32,042	378,858	318,838	286,720	212,263
1979	317,816	242,146	194,221	138,729	62,839	43,409	41,600	35,500	380,655	285,555	235,821	174,229
1980	213,784	179,650	154,499	116,773	59,000	53,500	43,000	34,626	272,784	233,150	197,499	151,399
1981	334,825	275,738	249,478	196,956	64,300	49,205	42,000	32,241	399,125	324,943	291,478	229,197
1982	432,031	354,070	298,848	237,130	69,500	58,000	51,500	51,000	501,531	410,070	350,348	288,130
1983	267,899	242,663	215,484	174,717	73,000	62,000	57,500	48,792	340,899	304,663	272,984	223,509
1984	329,660	255,771	215,984	193,249	79,500	67,000	61,500	54,000	409,160	322,771	277,484	247,249
1985	381,441	323,255	268,302		85,000	80,000	86,000		466,441	403,255	354,302	
DURUM WHEAT												
1976	95,930	83,260	68,780	61,540	22,124	18,455	15,009	10,048	118,054	101,715	83,789	71,588
1977	89,562	70,197	51,438	40,545	16,280	13,231	10,209	7,490	105,842	83,428	61,647	48,035
1978	100,019	83,689	71,442	60,215	15,141	11,055	11,468	8,211	115,160	94,744	82,910	68,426
1979	103,090	74,360	54,925	42,250	16,725	10,428	11,240	6,101	119,815	84,788	66,165	48,351
1980	71,687	59,983	49,742	37,307	15,973	15,600	11,050	7,599	87,660	75,583	60,792	44,906
1981	118,938	98,475	88,244	75,455	19,000	13,000	10,500	7,529	137,938	111,475	98,744	82,984
1982	148,506	130,774	108,609	93,093	21,500	18,000	16,000	16,000	170,006	148,774	124,609	109,093
1983	95,069	82,574	73,339	60,844	24,500	22,500	18,890	16,400	119,569	105,074	92,229	77,244
1984	109,240	82,520	71,517	61,300	25,000	21,000	18,500	16,600	134,240	103,520	90,017	77,900
1985	114,594	103,135	82,126		25,200	24,000	26,200		139,794	127,135	108,326	
BARLEY												
1976	65,869	49,605	34,154	19,517	12,389	10,206	9,479	6,490	78,258	59,811	43,633	26,007
1977	84,856	75,976	54,269	42,428	11,082	10,265	11,288	6,917	95,938	86,241	65,557	49,345
1978	118,335	96,922	76,636	61,985	12,392	13,720	14,700	12,017	130,727	110,642	91,336	74,002
1979	106,260	88,803	68,310	52,371	16,539	11,569	12,400	9,167	122,799	100,372	80,710	61,538
1980	72,000	51,840	38,880	28,800	12,880	12,500	10,200	8,437	84,880	64,340	49,080	37,237
1981	87,696	66,528	50,400	40,320	11,000	8,621	8,215	6,298	98,696	75,149	58,615	46,618
1982	112,652	98,183	70,278	57,876	14,500	11,000	10,000	9,000	127,152	109,183	80,278	66,876
1983	105,487	79,115	67,649	55,037	15,300	13,900	11,230	9,505	120,787	93,015	78,879	64,542
1984	144,478	106,053	89,146	73,776	17,300	15,200	13,800	10,900	161,778	121,253	102,946	84,676
1985	189,778	147,400	NA		29,900	25,600	NA		219,678	173,000	NA	
OATS												
1976	56,050	41,253	25,110	17,039	5,922	3,400	2,633	2,037	61,972	44,653	27,743	19,076
1977	66,000	53,400	40,200	30,600	4,488	3,381	3,294	2,943	70,488	56,781	43,494	33,543
1978	68,904	62,640	46,980	35,078	5,259	4,380	4,039	3,345	74,163	67,020	51,019	38,423
1979	59,136	49,896	37,330	26,611	3,965	3,081	2,010	1,551	63,101	52,977	39,340	28,162
1980	33,750	26,325	15,390	11,475	1,610	1,400	1,500	1,076	35,360	27,725	16,890	12,551
1981	45,043	35,328	22,522	17,222	2,200	1,800	1,300	1,185	47,243	37,128	23,822	18,407
1982	58,433	48,972	33,390	25,043	2,900	2,100	1,750	1,200	61,333	51,072	35,140	26,243
1983	60,449	41,996	36,905	26,725	3,300	1,600	1,130	1,032	63,749	43,596	38,035	27,757
1984	54,978	34,486	29,988	20,492	2,550	1,800	1,670	1,060	57,528	36,286	31,658	21,552
1985	48,972	35,616	NA		2,350	1,600	NA		51,322	37,216	NA	

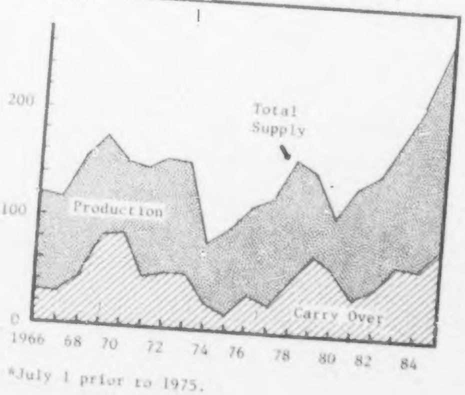
NA - Not available.

ALL WHEAT
Total Supply, Production and
June 1 Carry Over*, North Dakota, 1966-85



*July 1 prior to 1975.

BARLEY
Total Supply, Production and
June 1 Carry Over*, North Dakota, 1966-85



*July 1 prior to 1975.

GRAIN STOCKS CONT.

STOCKS BY POSITIONS, QUARTERLY, NORTH DAKOTA, 1976-85

Year Beginning Oct. 1	On Farm				Off Farm				TOTAL			
	Oct. 1	Jan. 1	April 1	June 1	Oct. 1	Jan. 1	April 1	June 1	Oct. 1	Jan. 1	April 1	June 1
						Thousand Bushels						
RYE												
1980	1,176	914	515	273	560	389	330	127	1,736	1,303	845	400
1981	1,215	651	434	304	240	180	143	67	1,455	831	577	371
1982	1,536	1,320	1,152	1,080	460	320	300	250	1,996	1,640	1,452	1,330
1983				1,728				560				2,288
1984 1/				3,348				1,600				4,948
FLAXSEED												
1980	2,700	1,620	972	567	372	640	360	313	3,072	2,260	1,332	880
1981	2,840	2,040	1,320	800	900	400	260	233	3,740	2,440	1,580	1,033
1982	3,171	2,290	1,644	1,410	780	1,550	1,200	1,000	3,951	3,840	2,844	2,410
1983				276				781				1,057
1984 1/				488				790				1,278

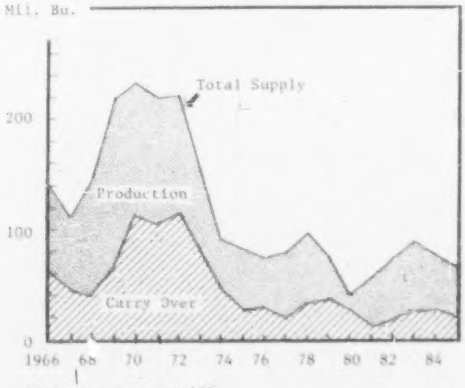
Year	Jan. 1	April 1	June 1	Oct. 1 2/	Jan. 1	April 1	June 1	Oct. 1 2/	Jan. 1	April 1	June 1	Oct. 1 2/
CORN												
1976	5,059	3,509	1,795	816	808	519	566	336	5,867	4,028	2,361	1,152
1977	15,184	11,008	7,592	5,314	1,321	1,121	898	733	16,505	12,129	8,490	6,047
1978	21,330	13,746	11,850	9,006	1,755	1,807	1,172	960	23,085	15,553	13,022	9,966
1979	19,744	14,273	11,894	9,515	2,058	890	986	863	21,802	15,163	12,880	10,378
1980	13,961	8,074	6,728	3,364	2,500	1,857	1,157	420	16,461	9,931	7,885	3,784
1981	29,087	26,178	24,101	22,854	3,767	2,974	2,364	1,950	32,854	29,152	26,465	24,804
1982	38,896	37,128	35,360	17,680	5,350	4,650	4,571	9,200	44,246	41,778	39,931	26,880
1983	20,402	18,944	16,030	8,452	8,900	6,245	4,260	3,200	29,302	25,189	20,290	11,652
1984	28,274	22,869	19,543	14,553	4,500	3,900	2,800	2,600	32,774	26,769	22,343	17,153
1985	39,110	34,675			5,800	5,700			44,910	40,375		
SOYBEANS												
1976	1,195	772	257	74	431	150	177	108	1,626	922	434	182
1977	2,205	1,295	875	350	791	543	395	171	2,996	1,838	1,270	521
1978	2,760	2,284	1,332	428	954	662	503	375	3,714	2,946	1,835	803
1979	3,671	3,059	2,392	278	1,351	920	723	414	5,022	3,979	3,115	692
1980	1,750	1,400	700	245	912	640	450	330	2,662	2,040	1,150	575
1981	3,499	2,950	1,784	755	1,700	1,200	360	330	5,199	4,150	2,144	1,085
1982	5,316	2,963	2,615	523	1,800	850	752	360	7,116	3,813	3,367	883
1983	4,293	3,864	1,717	286	2,500	1,821	1,031	635	6,793	5,685	2,748	921
1984	6,638	5,276	3,915	1,362	2,900	1,800	1,450	1,500	9,538	7,076	5,365	2,862
1985	8,408	6,243			3,500	2,900			11,908	9,143		
						Million Pounds						
SUNFLOWER												
1982				92.6				220.0				312.6
1983	530.9	289.6	48.3	7.3	760.0	380.0	225.4	46.3	1,290.9	669.6	273.7	53.6
1984	770.0	522.5	275.0	55.0	500.0	348.5	199.5	41.5	1,270.0	871.0	474.5	96.5
1985	1,244.2	NA			350.0	NA			1,594.2	NA		

1/ Estimates made on June 1 only starting 1983 crop. 2/ September 1 for soybeans. NA - Not available.

HAY

Crop of	Production	Stocks Jan. 1	Stocks May 1
	Thousand Ton		
1976	3,976	3,499	716
1977	3,229	2,809	452
1978	6,285	5,091	1,697
1979	5,178	4,816	1,398
1980	2,245	2,357	427
1981	4,315	3,409	734
1982	4,913	4,225	1,621
1983	4,478	3,672	1,164
1984	4,468	3,887	983
1985	3,400	2,675	808

OATS: Total Supply, Production and June 1 Carry Over*, North Dakota, 1966-85



*July 1 prior to 1975

POTATOES

NUMBER OF HILLS, HARVEST LOSSES AND SEED

Number of hills per acre and harvest loss are from the annual potato objective yield survey conducted in North Dakota. These data are presented here for information but are not considered official estimates. Objective yield sample plots were located in potato fields that were selected on a random basis. Field enumerators recorded counts and measurements just prior to and immediately after harvest.

The seed potato acres listed were eligible for final certification based on history, field inspections and certain other preliminary requirements of the North Dakota State Seed Department.

Certified Seed Potatoes
North Dakota, 1977-85

Year	Acres Eligible
1977	40,299
1978	34,454
1979	25,301
1980	22,557
1981	25,380
1982	27,263
1983	29,183
1984	30,343
1985	32,984

Source: N.D. State Seed Department.

POTATOES: Number of Hills and Harvest Loss per Acre, North Dakota, 1981-1985 1/

Year	REDS			WHITES			RUSSETS			ALL TYPES
	Number of Samples	Average Hills per Acre	Harvest Loss	Number of Samples	Average Hills per Acre	Harvest Loss	Number of Samples	Average Hills per Acre	Harvest Loss	Harvest Loss per Acre
	(No.)	(No.)	(Cwt)	(No.)	(No.)	(Cwt)	(No.)	(No.)	(Cwt)	(Cwt)
1981	35	9,246	24	122	9,751	28	12	9,085	42	28
1982	34	9,431	38	101	9,384	35	31	10,563	25	33
1983	47	10,793	18	112	10,078	22	17	9,868	32	22
1984	36	10,499	28	92	10,024	29	8	10,102	27	30
1985	24	10,137	15	79	10,250	30	10	9,516	33	31

1/ Harvest loss pertains to potatoes left in field at time of harvest.

POTATOES: Production, Disposition, Price and Value, North Dakota, 1980-84

Crop of	Production	Total Used for Seed 1/	Farm Disposition Used on Farms Where Grown		Sold 2/	Price per Hundred-weight	Value of Production	
			For Seed, Feed and Household Used	Shrinkage and Loss			Production	Sales
	- - - - - - - - - - Thousand Hundredweight				- - - - - - - - - -	(Dols.)	(Thousand Dols.)	
1980	15,680	1,726	400	1,250	14,030	6.85	107,408	96,106
1981	20,125	1,784	405	2,610	17,110	4.05	81,506	69,296
1982	17,250	1,914	360	1,725	15,165	4.35	75,038	65,968
1983	20,480	1,972	300	2,058	18,122	4.90	100,352	88,798
1984 3/	20,615	2,175	310	3,710	16,595	4.65	95,860	77,167

1/ Includes seed purchased and seed used on farms where grown. 2/ Consists of potatoes sold for all purposes includes food, seed, processing and livestock seed. 3/ Preliminary.

POTATOES: Acreage, Yield, Production and Stocks, North Dakota, 1981-85

Crop Year	Harvested Acres	Yield per Acre	Production	Stocks on Hand					
				Dec. 1	Jan. 1	Feb. 1	Mar. 1	Apr. 1	May 1
	(000)	(Cwt)	(000 Cwt)	- - - - - - - - - Thousand Hundredweight - - - - - - - -					
				REDS					
1981	28.8	164	4,730	3,450	2,964	2,350	1,584	1,104	437
1982	27.2	145	3,940	3,484	2,760	2,256	2,002	1,274	483
1983	28.5	154	4,383	3,150	2,790	2,060	1,640	1,300	625
1984	26.0	153	3,978	3,366	2,580	1,750	1,100	730	430
1985 1/	28.5	160	4,560	3,500	2,720	2,100	NA	NA	NA
				WHITES					
1981	77.0	178	13,685	8,832	7,011	5,640	4,464	2,484	703
1982	72.1	154	11,120	7,839	6,843	5,170	3,850	2,254	861
1983	84.1	164	13,823	9,600	7,750	6,280	4,445	2,590	1,560
1984	91.5	155	14,188	9,716	8,130	6,850	5,540	3,020	1,130
1985 1/	84.0	165	13,900	10,600	8,960	6,950	NA	NA	NA
				RUSSETS					
1981	9.2	186	1,710	1,518	1,425	1,410	1,152	1,012	760
1982	15.8	139	2,190	2,077	1,897	1,974	1,848	1,372	756
1983	15.4	148	2,274	2,250	2,160	1,960	1,715	910	215
1984	15.5	158	2,449	2,218	2,190	2,100	1,760	1,350	940
1985 1/	26.5	195	5,170	4,700	4,320	4,150	NA	NA	NA
				TOTAL					
1981	115.0	175	20,125	13,800	11,400	9,400	7,200	4,600	1,900
1982	115.0	150	17,250	13,400	11,500	9,400	7,700	4,900	2,100
1983	128.0	160	20,480	15,000	12,700	10,300	7,800	4,800	2,400
1984	133.0	155	20,615	15,300	12,900	10,700	8,400	5,100	2,500
1985 1/	139.0	170	23,630	18,800	16,000	13,200	10,700	7,800	3,800

1/ Preliminary. NA - Not available.

VARIETIES

WHEAT

(No survey conducted in 1985)

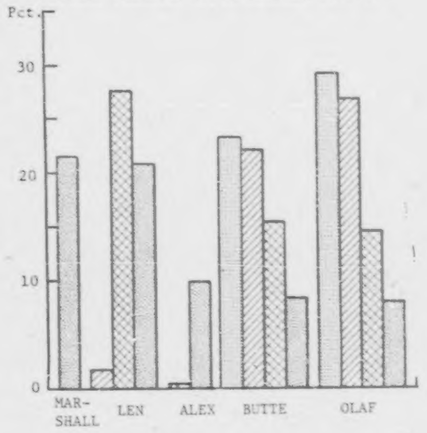
HARD RED SPRING WHEAT
Percent of Acreage Planted
by Varieties, North Dakota, 1978-84

Variety	1978	1979	1980	1982	1984
	- - - - - Percent - - - - -				
Marshall	-	-	-	1/	21.5
Len	-	-	1.7	27.6	20.6
Alex	-	-	-	.8	10.0
Butte	5.0	23.2	22.1	15.5	8.4
Olaf	35.0	29.2	26.9	14.7	8.0
Coteau	1/	1/	5.9	11.9	6.8
Waldron	28.3	22.7	18.5	10.3	6.7
Oslo	-	-	-	.5	5.4
Walera	-	-	-	2.2	3.0
Solar	-	2.0	7.4	6.5	2.0
Pion. 2369	-	-	-	-	1.1
Other & Unknown	31.7	22.9	17.5	10.0	6.5
All Varieties	100.0	100.0	100.0	100.0	100.0

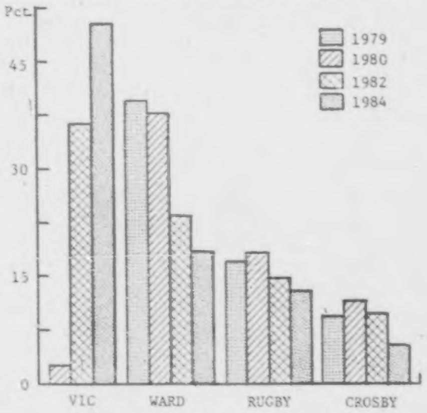
DURUM WHEAT
Percent of Acreage Planted
by Varieties, North Dakota, 1978-84

Variety	1978	1979	1980	1982	1984
	- - - - - Percent - - - - -				
Vic	-	1/	2.3	36.6	50.4
Ward	45.4	39.4	37.7	23.2	18.3
Rugby	13.2	17.3	18.7	15.1	13.3
Crosby	10.0	9.9	11.8	10.1	5.7
Cando	8.8	11.6	11.2	6.0	3.9
Rolette	8.8	6.5	6.2	2.3	2.0
Lloyd	-	-	-	-	1.8
Calvin	-	2.5	3.1	1.7	1.0
Other & Unknown	13.8	12.8	9.0	5.0	2.8
All Varieties	100.0	100.0	100.0	100.0	100.0

LEADING HARD RED SPRING WHEAT VARIETIES
Percent Planted, North Dakota, 1979-84



LEADING DURUM WHEAT VARIETIES
Percent Planted, North Dakota, 1979-84



Percent of Acreage Planted by Crop Reporting Districts, 1984, North Dakota

Variety	North-west	North Cent.	North-east	West Cent.	Cen-tral	East Cent.	South-west	South-Cent.	South-east	State
	- - - - - Percent - - - - -									
HARD RED SPRING WHEAT										
Marshall	6.8	8.4	52.2	3.3	20.9	33.4	9.8	5.1	19.3	21.5
Len	14.4	17.1	7.4	15.7	28.5	22.4	26.0	24.4	31.5	20.5
Alex	9.7	20.2	.6	28.8	7.4	2.0	22.7	13.5	2.8	10.0
Butte	10.9	20.7	8.9	4.0	9.0	12.9	3.5	5.2	4.6	8.4
Olaf	4.3	4.7	2.3	7.5	8.3	9.2	7.8	15.6	13.2	8.0
Coteau	8.7	8.7	3.2	12.0	8.9	3.1	9.2	9.1	4.1	6.8
Waldron	17.6	11.4	.4	13.4	4.9	.6	6.8	13.6	2.8	6.7
Oslo	1.7	.3	15.9	-	4.4	7.6	.5	1.0	6.1	5.4
Walera	15.5	.4	.2	3.5	2.3	.4	5.3	1.1	1.4	3.0
Solar	4.3	1.1	2.2	.9	.7	1.2	2.2	4.2	1.3	2.0
Pion. 2369	-	.5	1.0	.9	.9	1.6	.3	.1	4.2	1.1
Other & Unknown	6.1	6.5	5.7	10.0	3.8	5.6	5.9	7.1	8.7	6.6
DURUM WHEAT										
Vic	62.4	44.2	24.7	58.4	57.7	88.8	50.2	40.0	65.3	50.4
Ward	11.8	21.7	28.2	13.1	22.8	4.5	10.7	27.7	13.3	18.3
Rugby	1.4	27.3	25.2	.6	15.7	2.4	5.3	-	8.2	13.3
Crosby	14.7	.6	.7	12.6	-	-	.9	-	-	5.7
Cando	2.4	1.7	12.5	1.9	.7	1.4	-	-	1.3	3.9
Rolette	1.0	.4	3.2	4.7	.5	.8	13.1	-	.4	2.0
Lloyd	1.7	1.6	1.2	3.0	.8	1.1	3.0	3.4	4.0	1.8
Calvin	-	.5	1.1	3.8	-	-	9.4	-	-	1.0
Other & Unknown	4.6	2.0	3.2	1.9	1.8	1.0	6.8	28.9	7.5	3.6

1/ Less than .5% included in other and unknown.

WHEAT VARIETIES CONT.

WINTER WHEAT
Percent of Acreage Planted
by Varieties, North Dakota, 1978-84

Variety	1978	1979	1980	1982	1984
			Percent		
Roughrider	20.0	49.6	59.3	74.8	77.5
Norstar	-	-	2.2	11.5	17.6
Winalta	3.3	3.2	4.4	4.5	.8
Agassiz	-	-	-	-	.7
Rose	-	-	-	-	.5
Winoka	9.1	5.0	8.9	8.2	1/
Froid	46.6	24.9	8.1	1/	1/
Minter	3.0	3.2	3.0	1/	-
Other & Unknown	18.0	14.1	14.1	1.0	2.9
All Varieties	100.0	100.0	100.0	100.0	100.0

1/ Less than 1.0% in 1982 and .5% in 1984, included in other and unknown.

WINTER WHEAT
Percent of Acreage Planted by Crop
Reporting Districts, 1984, North Dakota

District	Roughrider	Norstar	Other & Unknown
		Percent	
Northwest	57.1	30.3	12.6
North Central	53.0	40.5	6.5
Northeast	78.4	14.3	7.3
West Central	66.2	31.2	2.6
Central	81.5	13.0	5.5
East Central	98.7	.2	1.1
Southwest	53.6	39.3	7.1
South Central	87.4	12.6	-
Southeast	83.1	12.6	4.3

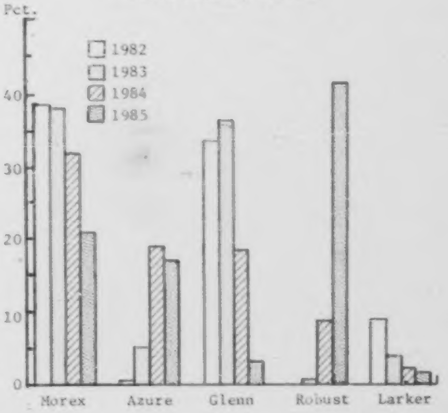
BARLEY

Percent of Acreage Planted by Varieties, 1981-85

Variety	1981	1982	1983	1984	1985
			Percent		
Robust	-	-	1/	8.6	41.7
Morex	35.2	38.7	38.3	31.9	20.8
Azure	-	1/	5.1	18.9	16.9
Hector	1.5	2.7	4.3	6.5	6.7
Hazen	-	-	-	1/	4.9
Glenn	37.7	33.7	36.5	18.4	3.1
Larker	13.5	8.8	3.8	2.2	1.5
Bumper	1.6	3.8	3.0	3.6	1.2
Bowman	-	-	-	1/	1.2
Bedford	1/	.9	2.3	4.4	1/
Summit	1/	.8	1/	.8	1/
Beacon	3.9	2.4	.9	.6	1/
Bonanza	.9	1.8	1/	.5	1/
Nordic	1.4	1.4	.9	1/	1/
Vanguard	1/	.5	1/	-	-
Dickson	.7	.8	-	-	-
Park	1.2	1.2	.5	1/	1/
Keystone	1/	.6	1/	1/	-
Other & Unknown	2.4	1.9	4.4	3.6	2.0
All Varieties	100.0	100.0	100.0	100.0	100.0

1/ Less than 0.5 percent included in other and unknown.

LEADING BARLEY VARIETIES
Percent Acreage Planted,
North Dakota, 1982-85



Percent of Acreage Planted by Crop Reporting Districts,
1985, North Dakota

Variety	North-west	North Cent.	North-east	West Cent.	Cen-tral	East Cent.	South-west	South-Cent.	South-east	State
					Percent					
Robust	14.7	41.5	67.9	6.7	32.6	53.2	3.7	12.6	48.8	41.7
Morex	46.7	42.6	8.0	29.2	12.2	9.2	8.1	19.5	20.7	20.8
Azure	6.4	10.1	12.0	13.5	37.2	24.1	26.2	23.0	15.8	16.9
Hector	20.5	0	0	28.5	0	0	35.8	17.7	.6	6.7
Hazen	1.4	2.4	6.8	.7	6.2	8.5	4.3	1.1	4.6	4.9
Glenn	.3	.9	2.4	6.9	6.3	3.1	1.5	12.0	4.4	3.1
Larker	3.8	.9	.1	6.5	.9	.2	3.3	2.3	1.9	1.5
Bowman	2.0	.1	.1	3.4	.7	.1	9.9	2.2	.3	1.2
Bumper	2.5	.2	.8	1.9	2.6	.7	.4	0	1.6	1.2
Other & Unknown	1.7	1.3	1.9	2.7	1.3	.9	6.8	9.6	1.3	2.0

ALL WHEAT: Acreage, Yield and Production by Counties, North Dakota, 5-Year Average, 1980-84 and 1984 (Revised)

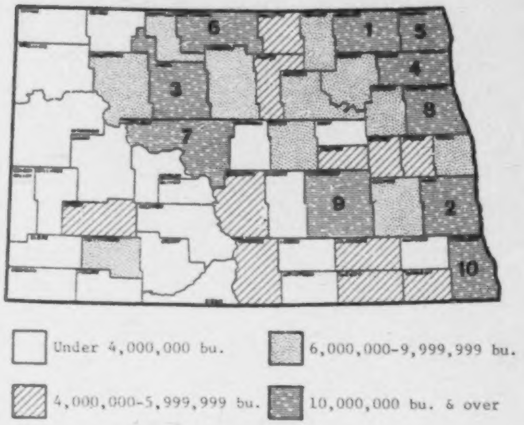
District and County	5-Year Average, 1980-84 1/					1984				
	Acres Planted	Acres Harvested	Yield/Acre		Production	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.				Pltd.	Harv.	
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)
Burke	179,100	174,100	23.2	23.8	4,125,300	160,000	154,500	21.7	22.4	3,467,000
Divide	223,200	218,600	22.9	23.4	5,196,400	183,000	178,800	14.9	15.3	2,732,400
Mountrail	252,600	240,000	23.7	24.9	6,009,500	209,000	204,200	21.0	21.5	4,395,600
Renville	189,700	185,000	28.2	28.7	5,332,800	173,500	172,000	31.7	31.9	5,492,000
Ward	377,600	364,300	27.6	28.3	10,350,000	360,500	357,600	28.7	28.9	10,350,400
Williams	333,100	319,700	21.4	22.2	7,240,200	279,000	270,000	15.1	15.6	4,222,000
Northwest	1,555,200	1,501,700	24.6	25.3	38,254,300	1,365,000	1,337,100	22.5	22.9	30,659,400
Benson	243,400	233,800	27.2	28.0	6,549,600	212,000	209,700	30.3	30.6	6,413,700
Bottineau	328,000	316,900	26.4	27.2	8,528,200	301,000	293,700	26.3	27.0	7,916,000
McHenry	205,500	195,800	25.0	25.7	5,014,600	165,000	164,900	25.3	25.4	4,182,000
Pierce	163,700	156,600	24.4	25.0	3,943,200	144,500	143,200	26.6	26.9	3,846,800
Rolette	126,900	122,100	27.0	27.8	3,412,500	112,500	109,500	29.3	30.1	3,300,000
North Central	1,067,500	1,025,100	26.1	26.8	27,448,000	935,000	921,000	27.4	27.9	25,658,500
Cavalier	354,700	345,[illegible]	32.2	32.8	11,272,000	294,000	291,900	39.6	39.8	11,629,200
Grand Forks	252,700	242,[illegible]	36.3	37.3	8,975,200	216,000	210,500	48.0	49.3	10,371,000
Nelson	209,400	204,000	31.0	31.5	6,425,400	180,000	178,400	38.4	38.8	6,920,600
Pembina	258,800	248,200	36.7	37.7	9,261,800	225,000	224,600	50.1	50.2	11,278,200
Ramsey	271,700	260,900	28.3	29.1	7,611,200	234,000	230,200	33.6	34.2	7,861,600
Towner	247,800	235,100	27.3	28.4	6,736,800	222,000	217,600	30.4	31.0	6,747,400
Walsh	295,200	276,000	34.2	35.6	9,788,200	251,000	247,600	49.8	50.4	12,490,600
Northeast	1,890,300	1,812,000	32.3	33.2	60,070,500	1,622,000	1,600,800	41.5	42.0	67,298,600
Dunn	127,800	109,200	18.4	20.2	2,289,300	121,000	118,800	24.3	24.7	2,935,800
McKenzie	169,000	147,500	20.4	21.9	3,324,600	137,000	128,700	20.0	21.3	2,735,100
McLean	344,900	324,000	24.3	25.6	8,216,000	291,500	286,800	26.6	27.0	7,749,700
Mercer	88,200	81,200	22.9	24.3	1,993,600	79,000	77,000	25.4	26.1	2,009,000
Oliver	51,900	47,900	23.0	23.8	1,159,400	42,500	42,400	27.6	27.6	1,172,000
West Central	781,800	709,800	22.3	23.8	16,982,900	671,000	653,700	24.7	25.4	16,601,600
Eddy	89,900	87,800	26.2	26.7	2,325,800	71,000	70,900	28.7	28.7	2,034,400
Foster	126,200	118,800	28.8	30.2	3,620,700	111,000	110,900	36.2	36.3	4,023,600
Kidder	103,100	93,100	20.3	21.3	2,054,100	90,000	89,000	25.2	25.5	2,271,900
Sheridan	134,500	124,900	23.3	24.5	3,074,700	114,500	112,100	25.7	26.2	2,937,700
Stutsman	373,300	350,100	26.7	27.9	9,882,600	337,500	330,900	34.2	34.8	11,527,700
Wells	245,000	231,400	27.9	29.0	6,675,900	211,000	208,700	31.7	32.1	6,693,700
Central	1,071,900	1,006,100	26.2	27.3	27,633,700	935,000	922,500	31.5	32.0	29,489,000
Barnes	298,100	288,400	29.5	30.3	8,721,700	276,500	272,600	40.1	40.7	11,087,400
Cass	345,500	338,200	35.7	36.5	12,086,500	290,500	288,000	48.7	49.2	14,159,200
Griggs	124,500	121,000	29.5	30.1	3,625,200	105,000	102,800	35.6	36.4	3,742,900
Steele	147,000	144,100	33.9	34.5	4,981,300	140,000	138,400	44.2	44.8	6,193,400
Traill	163,200	160,900	38.6	39.0	6,247,600	146,000	145,100	47.9	48.2	6,995,400
East Central	1,078,300	1,052,600	33.5	34.2	35,662,200	958,000	946,900	44.0	44.5	42,178,300
Adams	129,900	110,900	19.2	20.8	2,328,400	109,500	104,200	30.0	31.5	3,285,000
Billings	36,700	29,800	15.2	17.4	539,700	35,000	32,300	19.5	21.2	683,400
Bowman	117,700	100,600	17.3	19.3	1,946,600	103,000	100,900	25.7	26.2	2,646,400
Golden Valley	84,300	69,200	16.7	19.0	1,364,000	70,000	66,600	21.7	22.8	1,519,000
Hettinger	224,300	200,500	22.0	23.4	4,739,500	205,000	202,800	33.7	34.0	6,903,000
Slope	100,500	87,600	21.2	23.1	2,106,300	89,000	88,200	29.2	29.5	2,598,000
Stark	178,700	160,700	19.7	21.1	3,376,600	167,500	165,100	27.5	27.9	4,611,600
Southwest	872,100	759,200	19.6	21.4	16,401,000	779,000	760,100	28.6	29.3	22,246,400
Burleigh	167,200	141,000	19.5	21.3	3,106,100	140,500	139,700	25.2	25.4	3,545,300
Emmons	196,500	171,100	19.0	20.1	3,669,000	182,000	181,800	28.5	28.5	5,179,000
Grant	123,000	109,100	20.2	22.0	2,409,400	106,500	99,500	24.4	26.1	2,598,000
Morton	142,900	119,700	19.5	22.2	2,765,100	135,000	128,700	24.4	25.6	3,292,300
Sioux	43,500	37,500	16.3	18.7	700,900	46,000	35,300	21.9	28.6	1,009,400
South Central	673,100	578,400	19.2	21.1	12,650,500	610,000	585,000	25.6	26.7	15,624,000
Dickey	139,500	134,600	22.7	23.4	3,080,700	129,000	123,400	33.7	35.2	4,349,400
LaMoure	206,100	200,100	26.0	26.6	5,241,400	183,000	181,200	36.7	37.0	6,707,600
Logan	119,100	111,200	21.3	22.0	2,475,700	99,000	99,000	30.3	30.3	2,999,500
McIntosh	144,500	134,100	19.3	19.8	2,714,500	125,000	125,000	28.8	28.8	3,605,800
Ransom	115,600	113,800	27.2	27.6	3,075,600	104,000	103,000	39.9	40.3	4,152,000
Richland	207,400	202,200	33.4	34.0	6,819,700	180,000	179,500	43.4	43.5	7,804,000
Sargent	132,600	130,200	28.0	28.5	3,702,300	125,000	121,800	38.5	39.5	4,815,900
Southeast	1,064,800	1,026,100	25.9	26.7	27,109,900	945,000	932,900	36.4	36.9	34,434,200
STATE	10,055,000	9,471,000	26.5	27.7	262,213,000	8,820,000	8,660,000	32.2	32.8	284,190,000

1/ Totals may not add due to rounding.

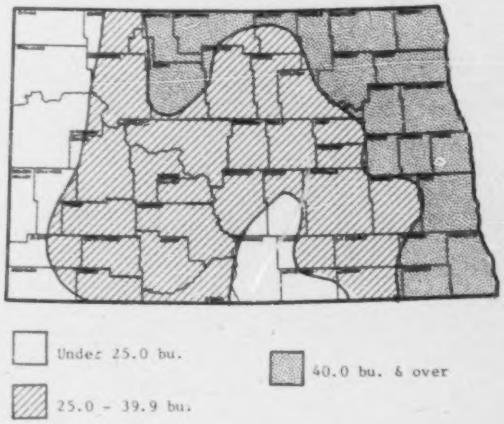
ALL WHEAT: Acreage, Yield and Production by Counties, North Dakota, 1985 (Preliminary)

District and County	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.	
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)
Burke	156,000	144,500	24.3	26.2	3,786,800
Divide	181,000	164,500	10.9	12.0	1,969,500
Mountrail	213,500	203,500	30.1	31.6	6,425,300
Renville	175,000	170,000	42.4	43.6	7,414,500
Ward	361,500	348,500	40.9	42.5	14,797,900
Williams	283,000	262,000	13.3	14.3	3,753,000
Northwest	1,370,000	1,293,000	27.8	29.5	38,147,000
Benson	219,000	215,500	33.0	33.5	7,219,500
Bottineau	315,000	276,300	37.5	42.7	11,810,100
McHenry	184,000	177,000	35.7	37.1	6,569,000
Pierce	154,000	149,400	30.4	31.3	4,675,400
Rolette	113,000	110,800	36.7	37.4	4,144,000
North Central	985,000	929,000	34.9	37.0	34,418,000
Cavalier	330,000	325,800	49.7	50.4	16,410,800
Grand Forks	229,000	223,500	50.1	51.3	11,464,200
Nelson	191,000	185,600	39.1	40.2	7,462,400
Pembina	233,500	233,100	53.7	53.8	12,540,000
Ramsey	241,500	239,700	40.5	40.8	9,781,000
Towner	225,000	217,000	39.2	40.7	8,827,000
Walsh	268,000	253,300	49.3	52.2	13,210,600
Northeast	1,718,000	1,678,000	46.4	47.5	79,696,000
Dunn	115,000	104,300	25.0	27.5	2,871,500
McKenzie	148,000	130,400	16.8	19.0	2,483,600
McLean	314,000	305,900	37.1	38.1	11,649,900
Mercer	82,000	80,400	38.6	39.3	3,162,000
Oliver	51,000	50,000	34.7	35.4	1,769,000
West Central	710,000	671,000	30.9	32.7	21,936,000
Eddy	85,000	82,500	29.8	30.7	2,532,500
Foster	121,000	113,000	33.4	35.7	4,038,000
Kidder	102,000	101,500	23.0	23.1	2,348,500
Sheridan	122,000	113,800	32.6	35.0	3,978,800
Stutsman	370,000	347,500	30.2	32.2	11,177,900
Wells	220,000	210,700	33.7	35.2	7,417,300
Central	1,020,000	969,000	30.9	32.5	31,493,000
Barnes	300,000	267,000	32.2	36.1	9,645,400
Cass	308,000	290,200	52.1	55.3	16,054,600
Griggs	117,000	109,000	39.4	42.2	4,605,000
Steele	140,000	131,300	41.9	44.7	5,869,500
Traill	148,000	144,500	54.3	55.6	8,038,500
East Central	1,013,000	942,000	43.6	46.9	44,213,000
Adams	120,000	115,000	24.0	25.1	2,881,000
Billings	34,500	23,000	9.0	13.5	310,000
Bowman	105,000	95,700	17.3	19.0	1,821,700
Golden Valley	81,500	67,000	13.3	16.1	1,080,300
Hettinger	223,000	210,500	29.9	31.6	6,661,100
Slope	90,000	85,600	24.0	25.3	2,163,800
Stark	168,000	150,200	24.3	27.2	4,079,100
Southwest	822,000	747,000	23.1	25.4	18,997,000
Burleigh	158,000	157,000	28.2	28.3	4,448,100
Emmons	185,000	182,200	24.3	24.7	4,493,900
Grant	114,000	111,100	28.1	28.8	3,205,200
Morton	136,000	130,700	28.1	29.2	3,822,000
Sioux	44,000	37,000	21.6	25.7	951,800
South Central	637,000	618,000	26.6	27.4	16,921,000
Dickey	159,000	155,000	32.6	33.5	5,188,300
LaMoure	196,000	178,400	30.3	33.3	5,937,400
Logan	112,000	110,400	27.6	28.0	3,086,000
McIntosh	137,000	133,700	21.7	22.3	2,978,500
Ransom	114,000	99,000	34.8	40.1	3,966,500
Richland	209,000	206,000	50.0	50.7	10,441,000
Sargent	148,000	140,500	39.4	41.5	5,836,300
Southeast	1,075,000	1,023,000	34.8	36.6	37,434,000
STATE	9,350,000	8,870,000	34.6	36.4	323,255,000

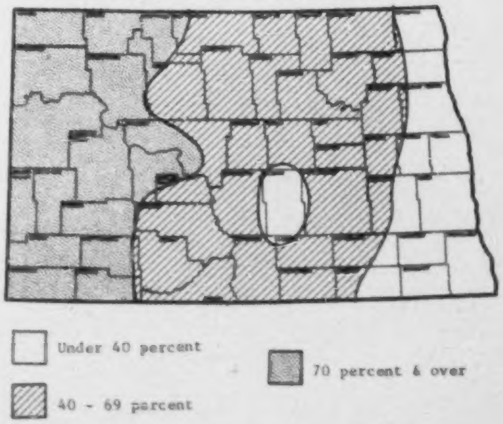
ALL WHEAT, 1985 - Production by Counties,
(Rank of First Ten Counties Shown)



ALL WHEAT, 1985 - Yield per Harvested Acre
(Bushels)



ALL WHEAT, 1985
Percent Planted on Summer Fallow



ALL WHEAT: Acreage, Yield and Production for Summer Fallow and Continuous Cropping by Counties, North Dakota, 1984 (Revised) 1/

District and County	Summer Fallow					Continuous Cropping				
	Acres Planted	Acres Harvested	Yield/Acre Pltd.	Yield/Acre Harv.	Production	Acres Planted	Acres Harvested	Yield/Acre Pltd.	Yield/Acre Harv.	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)
Burke	144,000	139,000	22.0	22.8	3,174,500	16,000	15,500	18.3	18.9	292,500
Divide	171,000	167,200	14.5	14.8	2,474,400	10,600	10,200	15.9	16.6	169,000
Mountrail	185,300	181,200	20.8	21.3	3,859,800	23,700	23,000	22.6	23.3	535,800
Renville	137,200	135,700	32.9	33.3	4,516,400	36,300	36,300	26.9	26.9	975,600
Ward	251,000	249,000	29.7	30.0	7,466,200	109,400	108,500	26.3	26.5	2,879,700
Williams	249,500	245,000	15.3	15.6	3,828,500	27,200	22,700	10.2	12.3	278,100
Northwest	1,138,000	1,117,100	22.2	22.7	25,319,800	223,200	216,200	23.0	23.7	5,130,700
Benson	136,600	135,300	31.9	32.2	4,356,700	74,900	73,900	27.2	27.6	2,036,900
Bottineau	212,000	206,500	27.2	27.9	5,763,200	89,000	87,200	24.2	24.7	2,152,800
McHenry	112,200	112,100	26.9	26.9	3,018,000	52,700	52,700	22.0	22.0	1,160,000
Pierce	96,000	94,700	28.6	29.0	2,746,300	48,500	48,500	22.7	22.7	1,100,500
Rolette	74,500	72,500	30.1	31.0	2,244,000	38,000	37,000	27.8	28.5	1,056,000
North Central	631,300	621,100	28.7	29.2	18,128,200	303,100	299,300	24.8	25.1	7,506,200
Cavalier	197,300	196,200	41.2	41.4	8,128,200	96,700	95,700	36.2	36.6	3,501,000
Grand Forks	98,000	96,000	47.0	47.9	4,601,100	117,600	114,100	48.8	50.3	5,741,900
Nelson	110,500	109,900	39.4	39.6	4,352,700	69,400	68,400	36.9	37.5	2,561,900
Pembina	95,800	95,800	48.9	48.9	4,689,200	129,200	128,800	51.0	51.2	6,589,000
Ramsey	140,000	137,900	33.9	34.4	4,744,100	94,000	92,300	33.2	33.8	3,117,500
Towner	133,000	129,900	31.2	32.0	4,153,800	89,000	87,700	29.1	29.6	2,593,600
Walsh	124,500	123,500	49.0	49.4	6,097,100	126,400	124,000	50.5	51.5	6,387,000
Northeast	899,100	889,200	40.9	41.3	36,766,200	722,300	711,000	42.2	42.9	30,491,900
Dunn	91,700	90,500	25.5	25.9	2,341,800	29,300	28,300	20.3	21.0	594,000
McKenzie	113,000	108,600	19.8	20.6	2,240,100	19,100	15,200	9.8	12.3	186,600
McLean	232,600	228,800	27.2	27.6	6,324,900	57,700	56,800	23.6	23.9	1,359,800
Mercer	71,000	69,400	25.9	26.5	1,837,000	7,900	7,500	21.3	22.4	168,000
Oliver	29,900	29,800	29.2	29.3	873,200	12,500	12,500	23.6	23.6	294,800
West Central	538,200	527,100	25.3	25.8	13,617,000	126,500	120,300	20.6	21.6	2,603,200
Eddy	36,000	35,900	31.3	31.4	1,126,400	34,900	34,900	25.9	25.9	904,000
Foster	67,700	67,600	37.5	37.5	2,536,100	43,200	43,200	34.3	34.3	1,483,500
Kidder	48,700	48,200	26.1	26.4	1,270,800	40,000	39,500	23.6	23.9	943,900
Sheridan	77,500	75,200	26.6	27.4	2,058,700	37,000	36,900	23.8	23.8	879,000
Stutsman	213,000	209,600	36.0	36.6	7,673,500	124,400	121,200	31.0	31.8	3,850,400
Wells	145,000	143,200	32.8	33.2	4,753,900	66,000	65,500	29.4	29.6	1,939,800
Central	587,900	579,700	33.0	33.5	19,419,400	345,500	341,200	28.9	29.3	10,000,600
Barnes	162,000	159,000	41.1	41.8	6,652,000	114,300	113,400	38.7	39.0	4,423,400
Cass	121,000	119,000	48.7	49.5	5,892,000	168,700	168,200	48.7	48.9	8,219,200
Griggs	77,000	75,000	36.5	37.4	2,807,900	27,400	27,200	33.1	33.4	908,000
Steele	79,000	77,800	45.4	46.1	3,588,000	60,800	60,400	42.7	43.0	2,595,400
Traill	61,000	60,300	46.4	47.0	2,833,000	84,900	84,700	49.0	49.1	4,155,900
East Central	500,000	491,100	43.5	44.3	21,772,900	456,100	453,900	44.5	44.7	20,301,900
Adams	87,000	82,600	31.4	33.0	2,729,000	22,500	21,600	24.7	25.7	556,000
Billings	27,000	25,300	20.7	22.1	558,000	8,000	7,000	15.7	17.9	125,400
Bowman	89,000	87,400	27.0	27.5	2,406,500	14,000	13,500	17.1	17.8	239,900
Golden Valley	61,500	60,500	22.9	23.3	1,410,700	8,300	5,900	12.2	17.2	101,300
Hettinger	167,000	164,800	34.6	35.0	5,773,000	38,000	38,000	29.7	29.7	1,130,000
Slope	79,800	79,000	29.8	30.1	2,375,500	9,200	9,200	24.2	24.2	222,500
Stark	125,200	124,400	29.2	29.4	3,658,600	42,300	40,700	22.5	23.4	953,000
Southwest	636,500	624,000	29.7	30.3	18,911,300	142,300	135,900	23.4	24.5	3,328,100
Burleigh	91,800	91,000	27.1	27.3	2,485,800	48,700	48,700	21.8	21.8	1,059,500
Emmons	105,700	105,500	31.2	31.2	3,295,600	75,700	75,700	24.4	24.4	1,847,400
Grant	83,500	79,000	25.7	27.1	2,143,500	23,000	20,500	19.8	22.2	454,500
Morton	93,000	90,200	26.2	27.0	2,434,300	42,000	38,500	20.4	22.3	858,000
Sioux	27,000	22,200	25.2	30.7	681,500	19,000	13,100	17.3	25.0	327,900
South Central	401,000	387,900	27.5	28.5	11,040,700	208,400	196,500	21.8	23.1	4,547,300
Dickey	65,000	59,800	34.0	37.0	2,213,000	63,600	63,200	33.3	33.5	2,119,600
LaMoure	125,000	123,200	37.8	38.4	4,724,900	57,500	57,500	34.1	34.1	1,959,300
Logan	70,100	70,100	32.4	32.4	2,271,700	28,900	28,900	25.2	25.2	727,800
McIntosh	76,000	76,000	31.0	31.0	2,356,000	49,000	49,000	25.5	25.5	1,249,800
Ransom	61,000	60,000	43.6	44.3	2,660,900	42,500	42,500	34.4	34.4	1,463,100
Richland	44,000	43,700	46.1	46.4	2,026,200	136,000	135,800	42.5	42.5	5,777,800
Sargent	49,500	48,000	40.5	41.8	2,006,700	75,500	73,800	37.2	38.1	2,809,200
Southeast	490,600	480,800	37.2	38.0	18,259,400	453,000	450,700	35.6	35.7	16,106,600
STATE	5,822,600	5,718,000	31.5	32.0	183,234,900	2,980,400	2,925,000	33.6	34.2	100,016,500

1/ See page 60 for irrigated acres.

ALL WHEAT: Acreage, Yield and Production for Summer Fallow and Continuous Cropping by Counties, North Dakota, 1985 (Preliminary) 1/

District and County	Summer Fallow					Continuous Cropping				
	Acres Planted	Acres Harvested	Yield/Acre		Production	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.				Pltd.	Harv.	
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)
Burke	136,100	130,000	25.2	26.4	3,427,300	19,900	14,500	18.1	24.8	359,500
Divide	169,100	154,200	10.6	11.6	1,785,900	10,300	8,700	8.0	9.5	82,900
Mountrail	168,500	161,500	29.5	30.8	4,975,500	45,000	42,000	32.2	34.5	1,449,800
Renville	124,500	122,200	43.4	44.2	5,399,300	50,500	47,800	39.9	42.2	2,015,200
Ward	198,700	193,200	43.1	44.3	8,562,000	162,600	155,100	38.3	40.1	6,226,900
Williams	262,200	243,700	12.8	13.8	3,353,800	17,500	15,000	12.3	14.4	215,700
Northwest	1,059,100	1,004,800	26.0	27.4	27,503,800	305,800	283,100	33.8	36.6	10,350,000
Benson	120,500	118,200	35.7	36.4	4,303,800	97,700	96,500	29.5	29.8	2,879,200
Bottineau	217,700	184,600	36.9	43.5	8,036,600	97,300	91,700	38.8	41.2	3,773,500
McHenry	112,100	107,800	36.6	38.0	4,099,300	71,700	69,000	34.3	35.6	2,459,700
Pierce	83,500	81,300	32.8	33.7	2,738,900	70,500	68,100	27.5	28.4	1,936,500
Rolette	63,700	61,700	37.4	38.6	2,380,900	49,300	49,100	35.8	35.9	1,763,100
North Central	597,500	553,600	36.1	38.9	21,559,500	386,500	374,400	33.1	34.2	12,812,000
Cavalier	180,200	178,100	51.1	51.7	9,203,100	149,800	147,700	48.1	48.8	7,207,700
Grand Forks	86,900	81,700	46.9	49.9	4,074,200	141,800	141,500	52.0	52.1	7,372,000
Nelson	93,400	89,400	41.1	43.0	3,843,400	97,400	96,000	37.0	37.6	3,606,000
Pembina	63,200	63,100	54.5	54.6	3,442,600	170,300	170,000	53.4	53.5	9,097,400
Ramsey	123,700	122,700	43.3	43.6	5,352,000	117,800	117,000	37.6	37.9	4,429,000
Towner	91,400	87,700	41.1	42.8	3,752,300	133,600	129,300	38.0	39.2	5,074,700
Walsh	103,200	95,300	47.5	51.4	4,899,600	164,700	157,900	50.4	52.6	8,304,500
Northeast	742,000	718,000	46.6	48.1	34,567,200	975,400	959,400	46.2	47.0	45,091,300
Dunn	73,100	69,800	29.2	30.6	2,137,900	41,900	34,500	17.5	21.3	733,600
McKenzie	118,300	104,900	15.1	17.0	1,788,200	24,500	20,300	13.3	16.1	326,200
McLean	219,500	214,300	38.4	39.3	8,427,300	92,700	89,800	33.9	34.9	3,138,000
Mercer	68,300	67,700	40.3	40.6	2,749,100	13,500	12,500	30.0	32.4	404,900
Oliver	31,900	31,400	36.3	36.9	1,159,300	19,000	18,500	31.7	32.6	602,700
West Central	511,100	488,100	31.8	33.3	16,261,800	191,600	175,600	27.2	29.6	5,205,400
Eddy	41,000	38,500	30.8	32.8	1,263,200	44,000	44,000	28.8	28.8	1,269,300
Foster	57,000	50,500	35.3	39.8	2,010,000	63,800	62,300	31.7	32.4	2,020,000
Kidder	36,600	36,400	26.9	27.0	983,000	64,100	63,800	20.4	20.5	1,307,000
Sheridan	74,700	69,900	34.0	36.3	2,540,200	47,300	43,900	30.4	32.8	1,438,600
Stutsman	174,900	161,200	33.9	36.8	5,933,900	195,100	186,300	26.9	28.1	5,244,000
Wells	123,900	119,200	36.6	38.1	4,537,500	96,100	91,500	30.0	31.5	2,879,800
Central	508,100	475,700	34.0	36.3	17,267,800	510,400	491,800	27.7	28.8	14,158,700
Barnes	108,700	93,800	35.2	40.8	3,824,900	191,200	173,100	30.4	33.6	5,815,200
Cass	68,600	59,300	46.0	53.3	3,158,500	237,700	229,200	53.8	55.8	12,794,900
Griggs	62,500	57,700	41.3	44.8	2,582,900	54,100	50,900	37.0	39.4	2,004,100
Steele	53,300	46,500	41.6	47.7	2,218,000	86,400	84,500	42.1	43.0	3,636,500
Traill	42,100	40,600	53.3	55.3	2,243,600	105,700	103,700	54.7	55.8	5,782,900
East Central	335,200	297,900	41.8	47.1	14,027,900	675,100	641,400	44.5	46.8	30,033,600
Adams	93,700	89,600	25.7	26.9	2,412,200	26,300	25,400	17.8	18.5	468,800
Billings	24,700	17,900	10.8	14.9	266,600	9,800	5,100	4.4	8.5	43,400
Bowman	88,100	81,100	18.7	20.3	1,643,900	16,900	14,600	10.5	12.2	177,800
Golden Valley	62,400	52,500	14.1	16.8	880,600	19,100	14,500	10.5	13.8	199,700
Hettinger	156,100	147,400	31.8	33.7	4,963,700	66,900	63,100	25.4	26.9	1,697,400
Slope	69,300	66,100	26.2	27.4	1,813,100	20,700	19,500	16.9	18.0	350,700
Stark	115,100	102,300	25.8	29.0	2,970,500	52,900	47,900	21.0	23.1	1,108,600
Southwest	609,400	556,900	24.5	26.8	14,950,600	212,600	190,100	19.0	21.3	4,046,400
Burleigh	73,100	72,700	31.4	31.6	2,297,600	84,900	84,300	25.3	25.5	2,150,500
Emmons	82,500	81,600	27.6	27.9	2,278,000	101,900	100,000	21.5	21.9	2,185,900
Grant	70,800	68,200	30.8	32.0	2,180,900	43,100	42,800	23.7	23.8	1,019,800
Morton	81,600	80,400	32.2	32.7	2,626,100	54,300	50,200	21.9	23.7	1,191,400
Sioux	25,400	24,100	27.3	28.8	694,600	18,600	12,900	13.8	19.9	257,200
South Central	333,400	327,000	30.2	30.8	10,077,200	302,800	290,200	22.5	23.4	6,804,800
Dickey	46,200	45,200	37.9	38.8	1,753,000	112,100	109,100	30.4	31.2	3,403,100
LaMoure	100,800	89,400	32.4	36.6	3,270,500	94,500	88,300	27.9	29.9	2,636,900
Logan	62,300	61,700	31.3	31.6	1,948,300	49,600	48,600	22.8	23.3	1,133,200
McIntosh	66,300	64,100	25.3	26.2	1,677,800	70,700	69,600	18.4	18.7	1,300,700
Ransom	48,300	38,000	33.5	42.6	1,617,200	65,500	60,800	35.7	38.5	2,341,300
Richland	35,000	33,700	51.2	53.2	1,793,100	174,000	172,300	49.7	50.2	8,647,900
Sargent	30,800	29,300	44.5	46.8	1,371,600	116,900	110,900	38.1	40.1	4,449,700
Southeast	389,700	361,400	34.5	37.2	13,431,500	683,300	659,600	35.0	36.3	23,912,800
STATE	5,085,500	4,783,400	33.4	35.5	169,647,300	4,243,500	4,065,600	35.9	37.5	152,415,000

1/ See page 61 for irrigated acres.

SPRING WHEAT OTHER THAN DURUM: Acreage, Yield and Production by Counties, North Dakota, 5-Year Average, 1980-84 and 1984 (Revised)

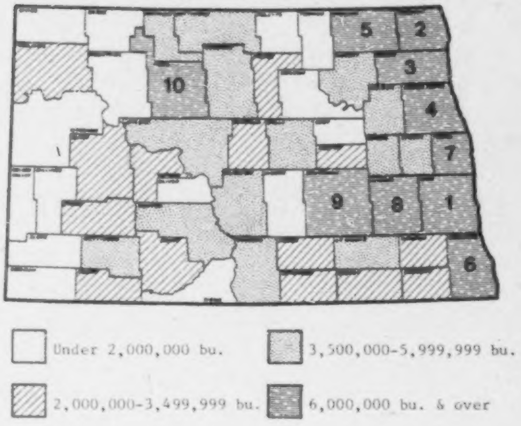
District and County	5-Year Average, 1980-84 1/					1984				
	Acres Planted	Acres Harvested	Yield/Acre		Production	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.				Pltd.	Harv.	
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)
Burke	93,600	92,200	23.4	23.7	2,193,400	85,000	84,000	20.8	21.0	1,764,000
Divide	32,800	32,000	21.1	21.5	696,600	30,000	28,000	14.5	15.5	434,000
Mountrail	35,800	34,600	21.8	22.5	783,200	30,000	29,000	17.4	18.0	522,000
Renville	101,800	100,000	28.7	29.1	2,928,600	90,000	89,000	33.1	33.5	2,981,000
Ward	135,400	130,800	28.2	29.0	3,893,000	140,000	140,000	30.7	30.7	4,304,000
Williams	180,600	172,400	21.1	21.9	3,806,200	155,000	150,000	16.0	16.5	2,475,000
Northwest	580,000	562,000	24.5	25.2	14,301,000	530,000	520,000	23.5	24.0	12,480,000
Benson	51,800	50,100	24.8	25.5	1,289,200	50,000	50,000	30.5	30.5	1,525,000
Bottineau	92,400	88,800	25.4	26.2	2,366,400	70,000	70,000	24.5	24.5	1,715,000
McHenry	155,200	148,200	24.6	25.2	3,756,200	120,000	120,000	24.6	24.6	2,955,000
Pierce	78,600	75,400	23.3	23.9	1,795,000	65,000	65,000	26.0	26.0	1,690,000
Rolette	16,000	15,500	23.7	24.3	384,800	15,000	15,000	29.0	29.0	435,000
North Central	394,000	378,000	24.6	25.2	9,591,600	320,000	320,000	26.0	26.0	8,320,000
Cavalier	193,800	190,200	32.7	33.2	6,312,800	160,000	160,000	41.5	41.5	6,640,000
Grand Forks	225,600	216,400	36.7	37.6	8,091,200	185,000	183,000	49.5	50.0	9,150,000
Nelson	92,800	90,400	31.5	32.1	3,016,000	90,000	90,000	40.0	40.0	3,600,000
Pembina	245,600	236,800	36.9	37.7	8,871,000	220,000	220,000	[illegible]0.2	50.2	11,043,000
Ramsey	83,800	81,200	27.8	28.6	2,359,400	95,000	94,000	33.1	33.5	3,149,000
Towner	23,400	22,800	28.4	29.1	667,000	20,000	20,000	33.0	33.0	660,000
Walsh	223,000	209,200	35.2	36.7	7,775,200	210,000	208,000	50.5	51.0	10,608,000
Northeast	1,088,000	1,047,000	34.4	35.3	37,092,600	980,000	975,000	45.8	46.0	44,850,000
Dunn	121,000	103,200	18.2	19.9	2,127,800	110,000	108,000	23.6	24.0	2,592,000
McKenzie	108,000	93,800	20.2	21.6	2,138,000	82,000	77,000	19.2	20.5	1,578,000
McLean	148,600	138,800	24.1	25.2	3,477,600	140,000	138,000	26.9	27.3	3,771,000
Mercer	76,800	70,500	22.4	23.7	1,685,600	68,000	67,000	25.1	25.5	1,709,000
Oliver	49,600	45,700	22.9	23.7	1,099,000	40,000	40,000	27.5	27.5	1,100,000
West Central	504,000	452,000	21.5	22.9	10,528,000	440,000	430,000	24.4	25.0	10,750,000
Eddy	60,800	59,600	25.7	26.1	1,539,800	50,000	50,000	29.0	29.0	1,450,000
Foster	95,600	89,400	28.6	30.1	2,726,600	90,000	90,000	36.0	36.0	3,240,000
Kidder	74,600	67,000	19.6	20.5	1,438,800	65,000	64,000	25.1	25.5	1,632,000
Sheridan	115,200	107,000	23.5	24.6	2,652,600	100,000	98,000	25.5	26.0	2,548,000
Stutsman	252,600	237,800	26.7	27.8	6,663,200	200,000	198,000	34.2	34.5	6,831,000
Wells	143,200	138,200	27.7	28.4	3,918,200	125,000	125,000	31.9	31.9	3,987,000
Central	742,000	699,000	25.8	26.9	18,939,200	630,000	625,000	31.3	31.5	19,688,000
Barnes	241,000	233,200	29.6	30.2	7,000,200	200,000	200,000	40.0	40.0	8,000,000
Cass	284,600	279,000	35.6	36.3	9,836,000	210,000	210,000	48.4	48.4	10,166,000
Griggs	100,600	98,200	29.3	29.7	2,898,600	85,000	85,000	35.5	35.5	3,018,000
Steele	125,400	123,600	34.2	34.5	4,240,200	110,000	110,000	45.0	45.0	4,950,000
Traill	141,400	140,000	39.0	39.2	5,426,800	115,000	115,000	49.0	49.0	5,635,000
East Central	893,000	874,000	33.6	34.1	29,401,800	720,000	720,000	44.1	44.1	31,769,000
Adams	100,800	87,800	18.9	20.1	1,818,800	75,000	75,000	29.5	29.5	2,213,000
Billings	32,000	26,500	15.1	16.9	469,000	25,000	24,000	19.2	20.0	480,000
Bowman	68,800	59,700	16.4	18.1	1,112,400	65,000	64,000	24.1	24.5	1,568,000
Golden Valley	44,000	37,000	14.6	16.4	650,200	40,000	39,000	18.1	18.5	722,000
Hettinger	192,000	172,400	21.7	23.0	4,008,200	170,000	169,000	32.3	32.5	5,493,000
Slope	78,400	68,600	20.6	22.2	1,579,600	65,000	65,000	27.5	27.5	1,788,000
Stark	158,000	144,000	19.7	20.8	3,013,400	150,000	149,000	27.4	27.6	4,116,000
Southwest	674,000	596,000	19.4	20.8	12,651,600	590,000	585,000	27.8	28.0	16,380,000
Burleigh	151,400	128,000	19.6	21.3	2,847,800	130,000	130,000	25.3	25.3	3,294,000
Emmons	182,600	159,800	18.9	20.1	3,419,600	170,000	170,000	28.5	28.5	4,845,000
Grant	112,800	100,200	20.2	21.9	2,202,000	100,000	93,000	24.2	26.0	2,418,000
Morton	135,800	114,200	19.5	22.3	2,642,800	125,000	120,000	24.5	25.5	3,060,000
Sioux	33,400	29,800	16.4	18.2	537,400	25,000	22,000	22.4	25.5	561,000
South Central	616,000	532,000	19.3	21.1	11,649,600	550,000	535,000	25.8	26.5	14,178,000
Dickey	104,600	101,700	22.4	22.8	2,222,200	80,000	80,000	34.5	34.5	2,760,000
LaMoure	150,400	147,100	26.5	26.9	3,880,000	130,000	130,000	36.5	36.5	4,745,000
Logan	102,400	96,100	21.0	21.6	2,091,600	85,000	85,000	30.5	30.5	2,593,000
McIntosh	124,000	114,700	19.1	19.6	2,273,600	95,000	95,000	28.5	28.5	2,708,000
Ransom	102,400	101,100	27.0	27.2	2,679,200	80,000	80,000	39.0	39.0	3,120,000
Richland	187,600	183,000	33.5	34.1	6,179,800	155,000	155,000	43.6	43.6	6,756,000
Sargent	97,600	96,300	28.0	28.3	2,658,200	65,000	65,000	38.5	38.5	2,503,000
Southeast	869,000	840,000	26.1	26.6	21,984,600	690,000	690,000	36.5	36.5	25,185,000
STATE	6,360,000	5,980,000	26.5	27.7	166,140,000	5,450,000	5,400,000	33.7	34.0	183,600,000

1/ Totals may not add due to rounding.

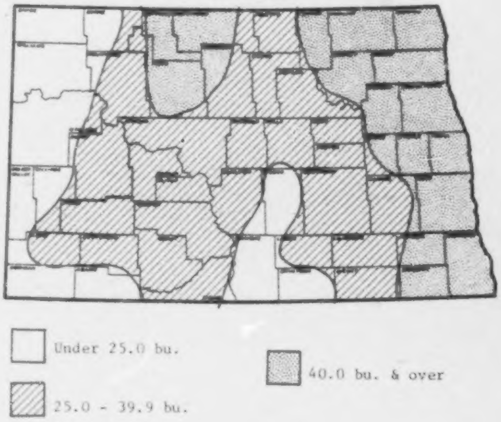
SPRING WHEAT OTHER THAN DURUM
Acreage, Yield and Production by Counties, North Dakota, 1985 (Preliminary)

District and County	Acres Planted	Acres Harvested	Yield/Acre Pltd.	Yield/Acre Harv.	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)
Burke	80,000	77,000	23.1	24.0	1,848,000
Divide	35,000	32,000	8.7	9.5	304,000
Mountrail	40,000	38,000	28.0	29.5	1,121,000
Renville	90,000	89,000	43.5	44.0	3,916,000
Ward	150,000	149,000	43.3	43.6	6,493,000
Williams	165,000	155,000	13.6	14.5	2,248,000
Northwest	560,000	540,000	28.4	29.5	15,930,000
Benson	55,000	55,000	34.5	34.5	1,898,000
Bottineau	85,000	84,000	42.0	42.5	3,570,000
McHenry	135,000	133,000	35.9	36.4	4,843,000
Pierce	80,000	78,000	28.8	29.5	2,301,000
Rolette	25,000	25,000	35.5	35.5	888,000
North Central	380,000	375,000	35.5	36.0	13,500,000
Cavalier	200,000	198,000	50.5	51.0	10,098,000
Grand Forks	205,000	205,000	51.5	51.5	10,558,000
Nelson	95,000	94,000	40.6	41.0	3,854,000
Pembina	230,000	230,000	53.9	53.9	12,397,000
Ramsey	100,000	100,000	42.0	42.0	4,200,000
Towner	15,000	15,000	45.0	45.0	675,000
Walsh	225,000	218,000	51.8	53.5	11,663,000
Northeast	1,070,000	1,060,000	49.9	50.4	53,445,000
Dunn	105,000	97,000	24.9	27.0	2,619,000
McKenzie	90,000	84,000	17.3	18.5	1,554,000
McLean	125,000	125,000	36.4	36.4	4,553,000
Mercer	65,000	64,000	38.4	39.0	2,496,000
Oliver	45,000	45,000	36.5	36.5	1,643,000
West Central	430,000	415,000	29.9	31.0	12,865,000
Eddy	60,000	60,000	30.0	30.0	1,800,000
Foster	80,000	80,000	36.0	36.0	2,880,000
Kidder	80,000	80,000	23.0	23.0	1,840,000
Sheridan	100,000	99,000	34.7	35.0	3,465,000
Stutsman	210,000	202,000	31.2	32.5	6,560,000
Wells	130,000	129,000	35.2	35.5	4,580,000
Central	660,000	650,000	32.0	32.5	21,125,000
Barnes	210,000	202,000	35.1	36.5	7,373,000
Cass	235,000	234,000	55.2	55.5	12,982,000
Griggs	90,000	90,000	42.0	42.0	3,780,000
Steele	120,000	119,000	44.6	45.0	5,355,000
Traill	135,000	135,000	56.0	56.0	7,560,000
East Central	790,000	780,000	46.9	47.5	37,050,000
Adams	90,000	88,000	24.4	25.0	2,200,000
Billings	30,000	21,000	9.1	13.0	273,000
Bowman	75,000	70,000	17.3	18.5	1,295,000
Golden Valley	50,000	43,000	12.9	15.0	645,000
Hettinger	175,000	174,000	30.8	31.0	5,397,000
Slope	70,000	67,000	24.9	26.0	1,742,000
Stark	130,000	127,000	26.9	27.5	3,493,000
Southwest	620,000	590,000	24.3	25.5	15,045,000
Burleigh	140,000	140,000	28.5	28.5	3,990,000
Emmons	175,000	173,000	24.3	24.5	4,246,000
Grant	105,000	105,000	29.0	29.0	3,045,000
Morton	125,000	122,000	28.8	29.5	3,599,000
Sioux	35,000	30,000	22.7	26.5	795,000
South Central	580,000	570,000	27.0	27.5	15,675,000
Dickey	105,000	105,000	32.0	32.0	3,360,000
LaMoure	125,000	122,000	32.7	33.5	4,087,000
Logan	90,000	89,000	27.7	28.0	2,492,000
McIntosh	115,000	112,000	21.4	22.0	2,464,000
Ransom	85,000	82,000	38.6	40.0	3,280,000
Richland	185,000	185,000	51.0	51.0	9,437,000
Sargent	55,000	55,000	41.0	41.0	2,255,000
Southeast	760,000	750,000	36.0	36.5	27,375,000
STATE	5,850,000	5,730,000	36.2	37.0	212,010,000

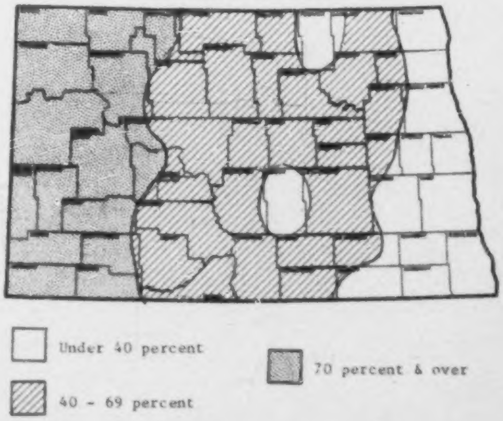
SPRING WHEAT OTHER THAN DURUM, 1985
Production by Counties,
(Rank of First Ten Counties Shown)



SPRING WHEAT OTHER THAN DURUM, 1985
Yield per Harvest Acres
(Bushels)



SPRING WHEAT OTHER THAN DURUM, 1985
Percent Planted on Summer Fallow



SPRING WHEAT OTHER THAN DURUM: Acreage, Yield and Production for Summer Fallow and Continuous Cropping by Counties, North Dakota, 1984 (Revised) 1/

District and County	Summer Fallow					Continuous Cropping				
	Acres Planted	Acres Harvested	Yield/Acre		Production	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.				Pltd.	Harv.	
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)
Burke	76,000	75,500	21.5	21.7	1,637,000	9,000	8,500	14.1	14.9	127,000
Divide	29,000	27,000	13.1	14.0	379,000	200	200	7.0	7.0	1,400
Mountrail	27,000	26,000	17.1	17.7	461,000	3,000	3,000	20.3	20.3	61,000
Renville	74,000	73,000	34.1	34.6	2.525,000	16,000	16,000	28.5	28.5	456,000
Ward	104,000	104,000	31.6	31.6	3,282,000	36,000	36,000	28.4	28.4	1,022,000
Williams	141,000	138,000	16.1	16.5	2,276,000	12,600	10,600	10.3	12.3	130,400
Northwest	451,000	443,500	23.4	23.8	10,560,000	76,800	74,300	23.4	24.2	1,797,800
Benson	30,000	30,000	31.4	31.4	942,000	19,800	19,800	29.0	29.0	574,600
Bottineau	53,000	53,000	25.6	25.6	1,358,000	17,000	17,000	21.0	21.0	357,000
McHenry	79,000	79,000	26.1	26.1	2,062,000	41,000	41,000	21.8	21.8	893,000
Pierce	41,000	41,000	27.4	27.4	1,124,000	24,000	24,000	23.6	23.6	566,000
Rolette	9,000	9,000	30.7	30.7	276,000	6,000	6,000	26.5	26.5	159,000
North Central	212,000	212,000	27.2	27.2	5,762,000	107,800	107,800	23.7	23.7	2,549,600
Cavalier	110,000	110,000	43.0	43.0	4,725,000	50,000	50,000	38.3	38.3	1,915,000
Grand Forks	84,000	83,000	48.6	49.2	4,084,000	100,600	99,600	50.1	50.6	5,038,000
Nelson	54,000	54,000	40.4	40.4	2,182,000	35,900	35,900	39.3	39.3	1,412,000
Pembina	95,000	95,000	49.0	49.0	4,653,000	125,000	125,000	51.1	51.1	6,390,000
Ramsey	59,000	58,500	33.7	34.0	1,988,000	36,000	35,500	32.3	32.7	1,161,000
Towner	11,000	11,000	35.9	35.9	395,000	9,000	9,000	29.4	29.4	265,000
Walsh	107,000	106,000	50.3	50.8	5,385,000	102,900	101,900	50.7	51.2	5,216,500
Northeast	520,000	517,500	45.0	45.2	23,412,000	459,400	456,900	46.6	46.8	21,397,500
Dunn	83,000	82,000	24.9	25.2	2,066,000	27,000	26,000	19.5	20.2	526,000
McKenzie	65,000	62,600	18.0	18.7	1,169,000	12,200	9,600	8.7	11.1	106,600
McLean	108,000	106,500	27.5	27.9	2,971,000	31,000	30,500	24.0	24.4	745,000
Mercer	61,000	60,400	25.7	25.9	1,565,000	6,900	6,500	20.3	21.5	140,000
Oliver	29,000	29,000	29.2	29.2	847,000	10,900	10,900	22.8	22.8	249,000
West Central	346,000	340,500	24.9	25.3	8,618,000	88,000	83,500	20.1	21.2	1,766,600
Eddy	23,000	23,000	32.1	32.1	738,000	26,900	26,900	26.3	26.3	708,000
Foster	54,000	54,000	37.0	37.0	1,996,000	35,900	35,900	34.5	34.5	1,240,000
Kidder	35,000	34,500	26.0	26.4	911,000	28,700	28,200	23.1	23.5	663,800
Sheridan	68,000	66,000	26.3	27.1	1,790,000	32,000	32,000	23.7	23.7	758,000
Stutsman	127,000	125,700	35.5	35.9	4,509,000	72,900	72,200	31.8	32.1	2,318,200
Wells	85,000	85,000	33.1	33.1	2,817,000	40,000	40,000	29.3	29.3	1,170,000
Central	392,000	388,200	32.6	32.9	12,761,000	236,400	235,200	29.0	29.2	6,858,000
Barnes	116,000	116,000	41.0	41.0	4,758,000	83,800	83,800	38.5	38.5	3,230,000
Cass	73,000	73,000	47.8	47.8	3,487,000	137,000	137,000	48.8	48.8	6,679,000
Griggs	62,000	62,000	36.6	36.6	2,270,000	23,000	23,000	32.5	32.5	748,000
Steele	57,000	57,000	46.4	46.4	2,643,000	52,800	52,800	43.5	43.5	2,297,000
Traill	41,000	41,000	48.3	48.3	1,982,000	73,900	73,900	49.3	49.3	3,646,500
East Central	349,000	349,000	43.4	43.4	15,140,000	370,500	370,500	44.8	44.8	16,600,500
Adams	57,000	57,000	30.8	30.8	1,757,000	18,000	18,000	25.3	25.3	456,000
Billings	19,000	18,500	20.1	20.6	382,000	6,000	5,500	16.3	17.8	98,000
Bowman	57,000	56,500	25.6	25.8	1,458,000	8,000	7,500	13.8	14.7	110,000
Golden Valley	35,000	34,500	18.5	18.8	648,000	4,800	4,300	14.0	15.6	67,000
Hettinger	134,000	133,000	33.0	33.3	4,424,000	36,000	36,000	29.7	29.7	1,069,000
Slope	58,000	58,000	27.9	27.9	1,619,000	7,000	7,000	24.1	24.1	169,000
Stark	112,000	112,000	29.3	29.3	3,276,000	38,000	37,000	22.1	22.7	840,000
Southwest	472,000	469,500	28.7	28.9	13,564,000	117,800	115,300	23.8	24.4	2,809,000
Burleigh	83,000	83,000	27.4	27.4	2,275,000	47,000	47,000	21.7	21.7	1,019,000
Emmons	99,000	99,000	31.1	31.1	3,078,000	70,400	70,400	24.6	24.6	1,731,000
Grant	80,000	75,500	25.5	27.0	2,040,000	20,000	17,500	18.9	21.6	378,000
Morton	85,000	83,500	26.4	26.9	2,243,000	40,000	36,500	20.4	22.4	817,000
Sioux	14,000	13,500	26.8	27.8	375,000	11,000	8,500	16.9	21.9	186,000
South Central	361,000	354,500	27.7	28.2	10,011,000	188,400	179,900	21.9	23.0	4,131,000
Dickey	34,000	34,000	36.5	36.5	1,241,000	45,600	45,600	32.9	32.9	1,502,200
LaMoure	85,000	85,000	37.7	37.7	3,207,000	44,800	44,800	34.1	34.1	1,529,600
Logan	61,000	61,000	32.5	32.5	1,983,000	24,000	24,000	25.4	25.4	610,000
McIntosh	59,000	59,000	30.4	30.4	1,795,000	36,000	36,000	25.4	25.4	913,000
Ransom	42,000	42,000	43.6	43.6	1,831,000	37,700	37,700	33.7	33.7	1,271,000
Richland	32,000	32,000	47.5	47.5	1,521,000	123,000	123,000	42.6	42.6	5,235,000
Sargent	21,500	21,500	41.9	41.9	900,000	43,500	43,500	36.9	36.9	1,603,000
Southeast	334,500	334,500	37.3	37.3	12,478,000	354,600	354,600	35.7	35.7	12,663,800
STATE	3,437,500	3,409,200	32.7	32.9	112,306,000	1,999,700	1,978,000	35.3	35.7	70,573,800

1/ See page 60 for irrigated acres.

SPRING WHEAT OTHER THAN DURUM: Acreage, Yield and Production for Summer Fallow and Continuous Cropping by Counties, North Dakota, 1985 (Preliminary) 1/

District and County	Summer Fallow					Continuous Cropping				
	Acres Planted	Acres Harvested	Yield/Acre		Production	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.				Pltd.	Harv.	
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)
Burke	73,800	70,900	23.6	24.6	1,742,100	6,200	6,100	17.1	17.4	105,900
Divide	32,700	29,700	7.4	8.2	242,600	1,400	1,400	8.6	8.6	12,100
Mountrail	28,000	26,400	23.8	25.2	665,000	12,000	11,600	38.0	39.3	456,000
Renville	67,600	66,600	43.7	44.4	2,955,100	22,400	22,400	42.9	42.9	960,900
Ward	85,200	84,700	45.2	45.5	3,855,100	64,600	64,100	40.7	41.0	2,628,900
Williams	152,800	143,800	13.0	13.8	1,989,700	10,100	9,100	14.3	15.9	144,900
Northwest	440,100	422,100	26.0	27.1	11,449,600	116,700	114,700	36.9	37.6	4,308,700
Benson	30,000	30,000	37.6	37.6	1,128,000	24,500	24,500	30.6	30.6	750,000
Bottineau	59,000	58,500	43.2	43.6	2,547,800	26,000	25,500	39.3	40.1	1,022,200
McHenry	85,900	85,000	37.0	37.4	3,178,100	48,900	47,800	33.8	34.6	1,654,900
Pierce	43,000	41,900	30.1	30.9	1,295,000	37,000	36,100	27.2	27.9	1,006,000
Rolette	13,200	13,200	38.4	38.4	506,800	11,800	11,800	32.3	32.3	381,200
North Central	231,100	228,600	37.5	37.9	8,655,700	148,200	145,700	32.5	33.0	4,814,300
Cavalier	107,000	105,800	51.8	52.4	5,545,700	93,000	92,200	48.9	49.4	4,552,300
Grand Forks	75,400	75,400	50.1	50.1	3,779,200	129,300	129,300	52.3	52.3	6,760,800
Nelson	45,300	44,900	44.2	44.5	2,000,100	49,500	48,900	37.2	37.6	1,840,900
Pembina	62,800	62,800	54.6	54.6	3,429,600	167,200	167,200	53.6	53.6	8,967,400
Ramsey	56,000	56,000	43.8	43.8	2,454,600	44,000	44,000	39.7	39.7	1,745,400
Towner	4,100	4,100	52.4	52.4	214,700	10,900	10,900	42.2	42.2	460,300
Walsh	81,700	79,100	51.0	52.7	4,167,300	143,200	138,800	52.3	54.0	7,489,200
Northeast	432,300	428,100	49.9	50.4	21,591,200	637,100	631,300	49.9	50.4	31,816,300
Dunn	67,800	65,500	29.1	30.2	1,975,400	37,200	31,500	17.3	20.4	643,600
McKenzie	74,900	69,700	14.0	15.1	1,052,300	9,900	9,100	13.4	14.6	132,500
McLean	78,800	78,800	37.9	37.9	2,990,200	45,000	45,000	33.4	33.4	1,505,200
Mercer	53,900	53,900	40.4	40.4	2,179,900	10,900	9,900	28.3	31.1	308,100
Oliver	28,400	28,400	38.1	38.1	1,080,900	16,500	16,500	33.6	33.6	555,100
West Central	303,800	296,300	30.5	31.3	9,278,700	119,500	112,000	26.3	28.1	3,144,500
Eddy	25,700	25,700	32.2	32.2	828,800	34,300	34,300	28.3	28.3	971,200
Foster	41,900	41,900	39.0	39.0	1,635,900	38,100	38,100	32.7	32.7	1,244,100
Kidder	30,200	30,200	26.5	26.5	801,700	48,500	48,500	20.2	20.2	979,800
Sheridan	63,600	62,800	35.7	36.1	2,268,800	36,400	36,200	32.9	33.0	1,196,200
Stutsman	105,400	99,500	34.6	36.7	3,652,000	104,600	102,500	27.8	28.4	2,908,000
Wells	75,000	74,400	38.2	38.5	2,866,600	55,000	54,600	31.2	31.4	1,713,400
Central	341,800	334,500	35.3	36.0	12,053,800	316,900	314,200	28.4	28.7	9,012,700
Barnes	81,100	78,000	39.4	40.9	3,193,600	128,800	123,900	32.4	33.7	4,174,100
Cass	46,300	46,300	54.7	54.7	2,531,600	188,700	187,700	55.4	55.7	10,450,400
Griggs	46,900	46,900	44.6	44.6	2,091,500	42,700	42,700	39.1	39.1	1,670,500
Steele	43,400	43,400	47.5	47.5	2,063,600	76,300	75,300	42.9	43.5	3,276,400
Traill	37,500	37,500	55.9	55.9	2,094,400	97,300	97,300	56.0	56.0	5,453,600
East Central	255,200	252,100	46.9	47.5	11,974,700	533,800	526,900	46.9	47.5	25,025,000
Adams	70,300	68,500	26.1	26.8	1,834,000	19,700	19,500	18.6	18.8	366,000
Billings	22,200	16,700	11.0	14.6	244,000	7,800	4,300	3.7	6.7	29,000
Bowman	64,100	60,300	18.4	19.6	1,180,500	10,900	9,700	10.5	11.8	114,500
Golden Valley	40,200	36,300	13.9	15.3	557,100	9,800	6,700	9.0	13.1	87,900
Hettinger	124,300	123,900	33.0	33.1	4,101,100	50,700	50,100	25.6	25.9	1,295,900
Slope	53,800	52,000	27.1	28.0	1,458,500	16,200	15,000	17.5	18.9	283,500
Stark	92,000	90,600	28.4	28.8	2,609,300	38,000	36,400	23.3	24.3	883,700
Southwest	466,900	448,300	25.7	26.7	11,984,500	153,100	141,700	20.0	21.6	3,060,500
Burleigh	64,700	64,700	31.8	31.8	2,060,100	75,300	75,300	25.6	25.6	1,929,900
Emmons	78,900	78,100	27.4	27.7	2,162,800	95,500	94,300	21.5	21.8	2,053,200
Grant	67,300	67,300	32.0	32.0	2,153,800	37,600	37,600	23.6	23.6	886,700
Morton	79,800	79,200	32.4	32.6	2,585,600	45,100	42,700	22.4	23.6	1,008,900
Sioux	20,800	20,600	29.4	29.7	611,500	14,200	9,400	12.9	19.5	183,500
South Central	311,500	309,900	30.7	30.9	9,573,800	267,700	259,300	22.6	23.4	6,062,200
Dickey	29,600	29,600	38.5	38.5	1,140,500	74,700	74,700	29.3	29.3	2,187,300
LaMoure	65,500	64,200	35.6	36.3	2,330,800	59,200	57,500	29.4	30.3	1,742,500
Logan	51,900	51,400	31.7	32.0	1,646,100	38,000	37,500	22.1	22.4	841,400
McIntosh	56,100	53,900	25.0	26.0	1,404,000	58,900	58,100	18.0	18.2	1,060,000
Ransom	29,200	28,900	42.6	43.0	1,243,900	55,800	53,100	36.5	38.3	2,036,100
Richland	27,900	27,900	55.2	55.2	1,539,100	157,100	157,100	50.3	50.3	7,897,900
Sargent	12,600	12,600	47.1	47.1	593,900	42,100	42,100	39.1	39.1	1,646,100
Southeast	272,800	268,500	36.3	36.9	9,898,300	485,800	480,100	35.8	36.3	17,411,300
STATE	3,055,500	2,988,400	34.8	35.6	106,460,300	2,778,800	2,725,900	37.7	38.4	104,655,500

1/ See page 61 for irrigated acres.

DURUM WHEAT: Acreage, Yield and Production by Counties, North Dakota, 5-Year Average, 1980-84 and 1984 (Revised)

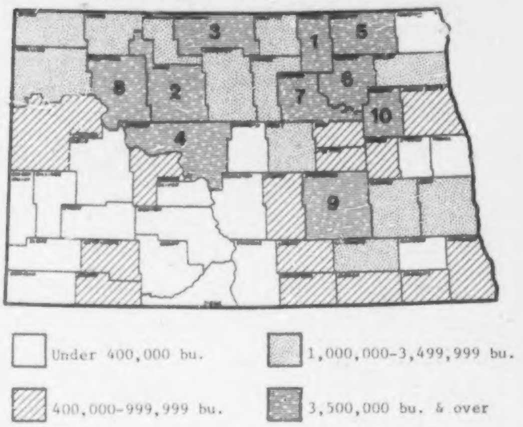
District and County	5-Year Average, 1980-84 1/					1984				
	Acres Planted	Acres Harvested	Yield/Acre		Production	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.				Pltd.	Harv.	
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)
Burke	82,800	80,200	23.3	23.9	1,883,600	65,000	65,000	24.0	24.0	1,560,000
Divide	188,700	185,100	23.2	23.6	4,464,000	150,000	148,000	14.8	15.0	2,220,000
Mountrail	214,400	203,600	24.1	25.4	5,179,800	175,000	172,000	21.6	22.0	3,784,000
Renville	86,000	83,600	27.7	28.2	2,362,000	80,000	80,000	30.0	30.0	2,400,000
Ward	239,000	230,800	27.3	28.0	6,373,400	210,000	208,000	27.2	27.5	5,720,000
Williams	148,900	144,700	22.0	22.6	3,376,600	120,000	117,000	14.1	14.5	1,696,000
Northwest	959,800	928,000	24.6	25.4	23,639,400	800,000	790,000	21.7	22.0	17,380,000
Benson	189,800	182,200	27.8	28.6	5,215,200	160,000	158,000	30.1	30.5	4,819,000
Bottineau	227,400	221,200	26.9	27.5	5,954,200	210,000	206,000	26.7	27.2	5,606,000
McHenry	48,200	45,800	26.1	26.8	1,208,200	40,000	40,000	27.0	27.0	1,080,000
Pierce	82,800	79,200	25.4	26.1	2,096,800	75,000	74,000	27.1	27.5	2,035,000
Rolette	109,800	105,600	27.4	28.2	2,994,800	95,000	92,000	29.1	30.0	2,760,000
North Central	658,000	634,000	27.0	27.7	17,469,200	580,000	570,000	28.1	28.6	16,300,000
Cavalier	157,600	152,600	31.5	32.2	4,846,200	130,000	128,000	36.9	37.5	4,800,000
Grand Forks	18,400	18,000	35.8	36.0	600,400	13,000	13,000	46.5	46.5	604,000
Nelson	114,600	111,800	30.5	31.0	3,341,600	86,000	85,000	37.1	37.5	3,188,000
Pembina	9,200	8,000	35.8	37.6	273,000	3,000	3,000	52.0	52.0	156,000
Ramsey	185,400	177,600	28.4	29.3	5,185,800	135,000	133,000	34.0	34.5	4,591,000
Towner	221,200	209,400	27.0	28.2	5,965,400	195,000	191,000	29.9	30.5	5,830,000
Walsh	69,600	64,400	31.2	32.4	1,935,200	38,000	37,000	46.7	48.0	1,776,000
Northeast	776,000	741,800	29.2	30.1	22,147,600	600,000	590,000	34.9	35.5	20,945,000
Dunn	5,300	4,900	22.1	23.8	128,200	7,000	7,000	31.0	31.0	217,000
McKenzie	50,800	46,400	21.0	22.1	1,018,400	47,000	45,000	21.6	22.5	1,013,000
McLean	191,300	181,500	24.6	25.8	4,632,200	145,000	143,000	26.2	26.5	3,796,000
Mercer	11,200	10,700	26.9	27.8	308,000	10,000	10,000	30.0	30.0	300,000
Oliver	2,000	1,900	24.8	25.6	52,000	1,000	1,000	30.0	30.0	30,000
West Central	260,600	245,400	24.0	25.2	6,138,800	210,000	206,000	25.5	26.0	5,356,000
Eddy	27,400	26,600	26.7	27.2	731,400	17,000	17,000	26.0	26.0	442,000
Foster	29,200	28,000	29.2	30.1	838,800	16,000	16,000	35.5	35.5	568,000
Kidder	27,600	25,300	22.5	23.5	591,800	23,000	23,000	25.0	25.0	575,000
Sheridan	18,100	16,800	22.0	23.0	384,600	10,000	10,000	24.0	24.0	240,000
Stutsman	113,000	105,400	26.6	27.9	2,948,200	110,000	108,000	33.4	34.0	3,672,000
Wells	97,900	89,700	28.2	29.7	2,631,600	74,000	73,000	30.9	31.3	2,284,000
Central	313,200	291,800	26.7	28.0	8,126,400	250,000	247,000	31.1	31.5	7,781,000
Barnes	44,600	43,800	29.1	29.4	1,248,200	28,000	28,000	40.2	40.2	1,125,000
Cass	45,000	44,000	36.4	37.0	1,527,400	22,000	22,000	51.0	51.0	1,122,000
Griggs	20,200	19,600	30.7	31.2	602,600	10,000	10,000	37.0	37.0	370,000
Steele	12,600	12,200	31.0	31.6	387,600	7,000	7,000	37.0	37.0	259,000
Traill	12,800	12,400	37.3	38.0	462,600	6,000	6,000	50.0	50.0	300,000
East Central	135,200	132,000	32.6	33.1	4,228,400	73,000	73,000	43.5	43.5	3,176,000
Adams	21,700	18,500	19.2	20.7	355,000	16,000	15,600	28.8	29.5	460,000
Billings	1,200	900	14.9	17.7	15,400	---	---	---	---	---
Bowman	33,800	29,800	19.1	20.6	572,600	20,000	19,600	28.4	29.0	568,000
Golden Valley	29,000	23,700	19.1	21.2	489,600	12,000	11,600	27.1	28.0	325,000
Hettinger	25,800	23,500	23.6	25.7	578,400	24,000	23,700	40.0	40.5	961,000
Slope	14,700	13,500	23.3	25.6	359,600	10,000	10,000	31.5	31.5	315,000
Stark	12,800	10,900	19.9	21.9	221,000	7,000	6,500	28.3	30.5	198,000
Southwest	139,000	120,800	20.9	22.6	2,591,600	89,000	87,000	31.8	32.5	2,827,000
Burleigh	14,300	11,900	18.5	20.1	229,000	5,500	5,500	24.9	24.9	137,000
Emmons	11,500	9,300	17.6	18.8	193,600	5,000	5,000	26.0	26.0	130,000
Grant	8,500	7,700	21.5	22.5	171,600	3,500	3,500	24.0	24.0	84,000
Morton	5,300	4,200	19.3	21.0	84,600	4,000	4,000	24.0	24.0	96,000
Sioux	6,600	5,900	18.1	19.0	101,200	5,000	5,000	32.4	32.4	162,000
South Central	46,200	38,800	19.4	20.8	780,000	23,000	23,000	26.5	26.5	609,000
Dickey	27,000	26,300	23.2	23.6	600,200	19,000	19,000	31.0	31.0	589,000
LaMoure	50,500	48,100	24.3	25.2	1,167,600	34,500	34,000	35.4	36.0	1,223,000
Logan	15,900	14,300	22.5	23.8	361,200	13,000	13,000	28.5	28.5	371,000
McIntosh	19,800	18,700	20.4	21.0	421,200	28,500	28,500	30.0	30.0	855,000
Ransom	8,200	8,100	27.2	27.4	198,600	5,000	5,000	39.0	39.0	195,000
Richland	16,000	15,600	31.5	32.0	467,800	10,000	10,000	41.0	41.0	410,000
Sargent	22,600	22,300	27.5	28.0	598,000	15,000	14,500	38.2	39.5	573,000
Southeast	160,000	153,400	24.6	25.3	3,834,600	125,000	124,000	33.7	34.0	4,216,000
STATE	**3,448,000**	**3,286,000**	**26.3**	**27.2**	**88,956,000**	**2,750,000**	**2,710,000**	**28.6**	**29.0**	**78,590,000**

1/ Totals may not add due to rounding.

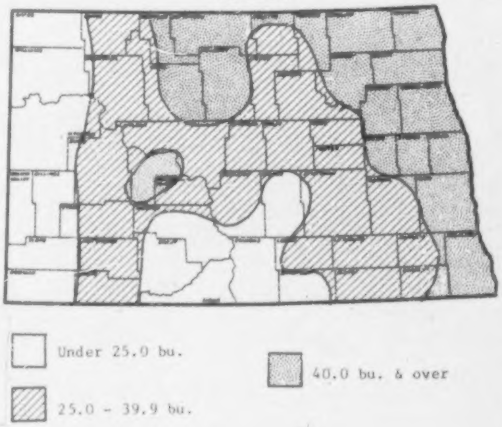
DURUM WHEAT: Acreage, Yield and Production by Counties, North Dakota, 1985 (Preliminary)

District and County	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.	
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)
Burke	65,000	64,000	29.0	29.5	1,888,000
Divide	140,000	129,000	11.5	12.5	1,613,000
Mountrail	165,000	160,000	31.0	32.0	5,120,000
Renville	75,000	74,000	42.6	43.2	3,194,000
Ward	190,000	188,000	41.6	42.0	7,900,000
Williams	105,000	100,000	13.3	14.0	1,400,000
Northwest	740,000	715,000	28.5	29.5	21,115,000
Benson	160,000	158,000	32.7	33.2	5,239,000
Bottineau	180,000	177,000	42.8	43.5	7,700,000
McHenry	36,000	36,000	41.5	41.5	1,494,000
Pierce	69,000	69,000	33.5	33.5	2,312,000
Rolette	85,000	85,000	38.0	38.0	3,230,000
North Central	530,000	525,000	37.7	38.0	19,975,000
Cavalier	125,000	124,000	49.1	49.5	6,138,000
Grand Forks	16,000	16,000	50.0	50.0	800,000
Nelson	90,000	89,000	39.0	39.5	3,514,000
Pembina	2,000	2,000	44.0	44.0	88,000
Ramsey	140,000	139,000	39.7	40.0	5,560,000
Towner	200,000	197,000	39.9	40.5	7,977,000
Walsh	37,000	33,000	38.8	43.5	1,436,000
Northeast	610,000	600,000	41.8	42.5	25,513,000
Dunn	2,000	2,000	33.5	33.5	67,000
McKenzie	41,000	40,000	20.5	21.0	840,000
McLean	170,000	166,000	38.3	39.2	6,507,000
Mercer	16,000	16,000	41.0	41.0	656,000
Oliver	1,000	1,000	30.0	30.0	30,000
West Central	230,000	225,000	35.2	36.0	8,100,000
Eddy	20,000	20,000	31.5	31.5	630,000
Foster	21,000	21,000	36.0	36.0	756,000
Kidder	19,000	19,000	24.0	24.0	456,000
Sheridan	10,000	10,000	36.5	36.5	365,000
Stutsman	120,000	117,000	30.6	31.4	3,676,000
Wells	80,000	78,000	34.1	35.0	2,730,000
Central	270,000	265,000	31.9	32.5	8,613,000
Barnes	36,000	35,000	32.1	33.0	1,155,000
Cass	37,000	37,000	58.1	58.1	2,151,000
Griggs	12,000	12,000	42.5	42.5	510,000
Steele	8,000	8,000	45.5	45.5	364,000
Traill	5,000	5,000	57.0	57.0	285,000
East Central	98,000	97,000	45.6	46.0	4,465,000
Adams	15,000	15,000	27.0	27.0	405,000
Billings	500	500	20.0	20.0	10,000
Bowman	19,500	17,000	18.3	21.0	357,000
Golden Valley	20,000	17,500	15.8	18.0	315,000
Hettinger	27,000	26,500	34.3	35.0	927,000
Slope	13,000	13,000	22.5	22.5	293,000
Stark	15,000	14,500	26.6	27.5	399,000
Southwest	110,000	104,000	24.6	26.0	2,706,000
Burleigh	10,000	10,000	28.5	28.5	285,000
Emmons	5,000	5,000	20.6	20.6	103,000
Grant	3,000	3,000	20.3	20.3	61,000
Morton	4,000	3,700	19.5	21.1	78,000
Sioux	5,000	4,300	18.4	21.4	92,000
South Central	27,000	26,000	22.9	23.8	619,000
Dickey	22,000	21,500	33.2	34.0	731,000
LaMoure	43,000	42,000	29.3	30.0	1,260,000
Logan	16,000	16,000	27.0	27.0	432,000
McIntosh	19,000	19,000	23.5	23.5	447,000
Ransom	6,000	6,000	36.5	36.5	219,000
Richland	9,000	9,000	55.6	55.6	500,000
Sargent	20,000	19,500	40.0	41.0	800,000
Southeast	135,000	133,000	32.5	33.0	4,389,000
STATE	2,750,000	2,690,000	34.7	35.5	95,495,000

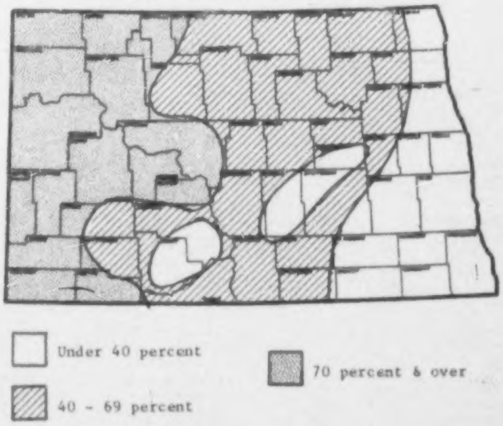
DURUM WHEAT, 1985 - Production by Counties, (Rank of First Ten Counties Shown)



DURUM WHEAT, 1985 - Yield per Harvested Acre (Bushels)



DURUM WHEAT, 1985
Percent Planted on Summer Fallow



DURUM WHEAT: Acreage, Yield and Production for Summer Fallow and Continuous Cropping by Counties, North Dakota, 1984 (Revised) 1/

District and County	Summer Fallow					Continuous Cropping				
	Acres Planted	Acres Harvested	Yield/Acre		Production	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.				Pltd.	Harv.	
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)
Burke	60,000	60,000	24.2	24.2	1,454,000	5,000	5,000	21.2	21.2	106,000
Divide	141,000	139,400	14.7	14.9	2,077,000	8,400	8,000	12.8	13.5	107,600
Mountrail	155,000	152,500	21.4	21.8	3,324,000	20,000	19,500	23.0	23.6	460,000
Renville	61,000	61,000	31.5	31.5	1,923,000	19,000	19,000	25.1	25.1	477,000
Ward	142,000	140,500	28.3	28.6	4,022,000	67,900	67,400	24.9	25.1	1,693,500
Williams	106,000	105,000	14.3	14.4	1,514,700	13,100	11,100	10.3	12.1	134,500
Northwest	665,000	658,400	21.5	21.7	14,314,700	133,400	130,000	22.3	22.9	2,978,600
Benson	105,000	104,000	32.0	32.3	3,364,000	54,700	53,700	26.4	26.9	1,443,300
Bottineau	144,000	141,000	27.4	28.0	3,946,000	66,000	65,000	25.2	25.5	1,660,000
McHenry	29,000	29,000	28.7	28.7	833,000	10,900	10,900	22.3	22.3	243,000
Pierce	52,000	51,000	29.6	30.2	1,538,000	23,000	23,000	21.6	21.6	497,000
Rolette	63,000	61,000	29.6	30.5	1,863,000	32,000	31,000	28.0	28.9	897,000
North Central	393,000	386,000	29.4	29.9	11,544,000	186,600	183,600	25.4	25.8	4,740,300
Cavalier	84,000	83,000	38.7	39.2	3,253,000	46,000	45,000	33.6	34.4	1,547,000
Grand Forks	3,000	3,000	38.3	38.3	115,000	10,000	10,000	48.9	48.9	489,000
Nelson	54,000	53,500	38.4	38.7	2,073,000	32,000	31,500	34.8	35.4	1,115,000
Pembina	500	500	40.0	40.0	20,000	2,500	2,500	54.4	54.4	136,000
Ramsey	79,000	78,000	34.2	34.6	2,702,000	56,000	55,000	33.7	34.3	1,889,000
Towner	121,000	118,000	30.9	31.7	3,735,000	74,000	73,000	28.3	28.7	2,095,000
Walsh	16,000	16,000	40.8	40.8	653,000	22,000	21,000	51.0	53.5	1,123,000
Northeast	357,500	352,000	35.1	35.7	12,551,000	242,500	238,000	34.6	35.3	8,394,000
Dunn	6,000	6,000	31.8	31.8	191,000	1,000	1,000	26.0	26.0	26,000
McKenzie	41,000	39,700	22.8	23.6	935,000	5,900	5,200	12.2	13.8	72,000
McLean	121,000	119,300	27.0	27.4	3,269,000	23,800	23,500	21.7	22.0	517,000
Mercer	9,000	9,000	30.2	30.2	272,000	1,000	1,000	28.0	28.0	28,000
Oliver	700	700	31.4	31.4	22,000	300	300	26.7	26.7	8,000
West Central	177,700	174,700	26.4	26.8	4,689,000	32,000	31,000	20.3	21.0	651,000
Eddy	9,000	9,000	27.3	27.3	246,000	8,000	8,000	24.5	24.5	196,000
Foster	9,000	9,000	37.8	37.8	340,000	7,000	7,000	32.6	32.6	228,000
Kidder	12,000	12,000	25.2	25.2	302,000	11,000	11,000	24.8	24.8	273,000
Sheridan	6,000	6,000	25.0	25.0	150,000	4,000	4,000	22.5	22.5	90,000
Stutsman	70,000	69,000	35.9	36.4	2,510,000	40,000	39,000	29.1	29.8	1,162,000
Wells	49,000	48,500	31.5	31.8	1,543,000	25,000	24,500	29.6	30.2	741,000
Central	155,000	153,500	32.8	33.2	5,091,000	95,600	93,500	28.3	28.8	2,690,000
Barnes	10,000	10,000	44.2	44.2	442,000	18,000	18,000	37.9	37.9	683,000
Cass	5,000	5,000	50.8	50.8	254,000	16,200	16,200	50.6	50.6	820,000
Griggs	7,000	7,000	37.4	37.4	262,000	2,400	2,400	33.8	33.8	81,000
Steele	2,500	2,500	36.4	36.4	91,000	4,500	4,500	37.3	37.3	168,000
Traill	1,000	1,000	46.0	46.0	46,000	5,000	5,000	50.8	50.8	254,000
East Central	25,500	25,500	42.9	42.9	1,095,000	46,100	46,100	43.5	43.5	2,006,000
Adams	14,000	14,000	30.4	30.4	426,000	2,000	1,600	17.0	21.3	34,000
Billings	---	---	---	---	---	---	---	---	---	---
Bowman	16,000	15,600	30.6	31.3	489,000	4,000	4,000	19.8	19.8	79,000
Golden Valley	11,000	11,000	28.3	28.3	311,000	1,000	600	14.0	23.3	14,000
Hettinger	22,000	21,700	40.9	41.5	900,000	2,000	2,000	30.5	30.5	61,000
Slope	8,000	8,000	33.4	33.4	267,000	2,000	2,000	24.0	24.0	48,000
Stark	4,700	4,500	30.9	32.2	145,000	2,300	2,000	23.0	26.5	53,000
Southwest	75,700	74,800	33.5	33.9	2,538,000	13,300	12,200	21.7	23.7	289,000
Burleigh	4,000	4,000	25.3	25.3	101,000	1,500	1,500	24.0	24.0	36,000
Emmons	2,700	2,700	28.1	28.1	76,000	2,300	2,300	23.5	23.5	54,000
Grant	2,000	2,000	27.0	27.0	54,000	1,500	1,500	20.0	20.0	30,000
Morton	3,000	3,000	25.3	25.3	76,000	1,000	1,000	20.0	20.0	20,000
Sioux	4,000	4,000	34.3	34.3	137,000	1,000	1,000	25.0	25.0	25,000
South Central	15,700	15,700	28.3	28.3	444,000	7,300	7,300	22.6	22.6	165,000
Dickey	10,000	10,000	33.0	33.0	330,000	9,000	9,000	28.8	28.8	259,000
LaMoure	22,000	21,500	36.3	37.1	798,000	12,200	12,200	33.6	33.6	410,000
Logan	9,000	9,000	31.8	31.8	286,000	4,000	4,000	21.3	21.3	85,000
McIntosh	17,000	17,000	33.0	33.0	561,000	11,500	11,500	25.6	25.6	294,000
Ransom	3,000	3,000	42.3	42.3	127,000	1,800	1,800	32.2	32.2	58,000
Richland	2,000	2,000	43.0	43.0	86,000	8,000	8,000	40.5	40.5	324,000
Sargent	6,000	5,500	35.0	38.2	210,000	9,000	9,000	40.3	40.3	363,000
Southeast	69,000	68,000	34.8	35.3	2,398,000	55,500	55,500	32.3	32.3	1,793,000
STATE	1,934,100	1,908,600	28.3	28.6	54,664,700	811,700	797,200	29.2	29.7	23,706,900

1/ See page 60 for irrigated acres.

DURUM WHEAT: Acreage, Yield and Production for Summer Fallow and Continuous Cropping by Counties, North Dakota, 1985 (Preliminary) 1/

District and County	Summer Fallow					Continuous Cropping				
	Acres Planted	Acres Harvested	Yield/Acre		Production	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.				Pltd.	Harv.	
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)
Burke	58,000	57,100	28.4	28.9	1,649,600	7,000	6,900	34.1	34.6	238,400
Divide	133,300	123,300	11.4	12.3	1,521,600	6,000	5,000	6.7	8.0	40,000
Mountrail	139,300	134,800	30.9	31.9	4,300,900	25,700	25,200	31.9	32.5	819,100
Renville	55,400	54,700	43.5	44.0	2,407,600	19,600	19,300	40.1	40.7	786,400
Ward	109,100	107,900	42.9	43.4	4,679,800	80,900	80,100	39.8	40.2	3,220,200
Williams	98,500	94,700	13.0	13.6	1,283,700	5,300	4,100	8.7	11.3	46,200
Northwest	593,600	572,500	26.7	27.7	15,843,200	144,500	140,600	35.6	36.6	5,150,300
Benson	88,000	86,900	35.5	36.0	3,125,200	71,700	70,800	29.3	29.6	2,097,300
Bottineau	121,500	119,600	43.2	43.9	5,245,300	58,500	57,400	42.0	42.8	2,454,700
McHenry	18,800	18,800	42.0	42.0	789,200	17,200	17,200	41.0	41.0	704,800
Pierce	38,800	38,800	36.9	36.9	1,430,400	30,200	30,200	29.2	29.2	881,600
Rolette	48,100	48,100	38.6	38.6	1,858,900	36,900	36,900	37.2	37.2	1,371,100
North Central	315,200	312,200	39.5	39.9	12,449,000	214,500	212,500	35.0	35.3	7,509,500
Cavalier	71,100	70,500	50.2	50.7	3,571,200	53,900	53,500	47.6	48.0	2,566,800
Grand Forks	4,600	4,600	49.1	49.1	225,700	11,400	11,400	50.4	50.4	574,300
Nelson	43,400	43,000	41.1	41.5	1,784,700	46,600	46,000	37.1	37.6	1,729,300
Pembina	200	200	40.5	40.5	8,100	1,800	1,800	44.4	44.4	79,900
Ramsey	66,900	66,400	43.2	43.5	2,886,900	73,100	72,600	36.6	36.8	2,673,100
Towner	84,400	83,200	41.7	42.3	3,517,200	115,600	113,800	38.6	39.2	4,459,800
Walsh	16,900	14,000	37.1	44.7	626,200	20,100	19,000	40.3	42.6	809,800
Northeast	287,500	281,900	43.9	44.8	12,620,000	322,500	318,100	40.0	40.5	12,893,000
Dunn	1,600	1,600	35.6	35.6	57,000	400	400	25.0	25.0	10,000
McKenzie	32,600	31,900	21.1	21.5	687,200	8,400	8,100	18.2	18.9	152,800
McLean	133,100	129,200	38.9	40.1	5,179,600	36,300	36,200	35.8	35.9	1,300,400
Mercer	13,400	13,400	41.7	41.7	559,200	2,600	2,600	37.2	37.2	96,800
Oliver	1,000	1,000	30.0	30.0	30,000	---	---	---	---	---
West Central	181,700	177,100	35.8	36.8	6,513,000	47,700	47,300	32.7	33.0	1,560,000
Eddy	10,300	10,300	32.2	32.2	331,900	9,700	9,700	30.7	30.7	298,100
Foster	4,500	4,500	43.0	43.0	193,500	16,300	16,300	34.0	34.0	554,500
Kidder	5,800	5,800	29.9	29.9	173,700	13,200	13,200	21.4	21.4	282,300
Sheridan	6,000	6,000	39.1	39.1	234,600	4,000	4,000	32.6	32.6	130,400
Stutsman	54,500	53,200	36.1	37.0	1,966,300	65,500	63,800	26.1	26.8	1,709,700
Wells	45,600	44,300	36.3	37.4	1,657,100	34,400	33,700	31.2	31.8	1,072,900
Central	126,700	124,100	36.0	36.7	4,557,100	143,100	140,700	28.3	28.8	4,047,900
Barnes	6,600	6,400	36.5	37.7	241,200	29,400	28,600	31.1	32.0	913,800
Cass	1,500	1,500	57.0	57.0	85,500	33,800	33,800	58.1	58.1	1,964,300
Griggs	5,200	5,200	44.6	44.6	232,000	6,800	6,800	40.9	40.9	278,000
Steele	1,300	1,300	52.9	52.9	68,800	6,700	6,700	44.1	44.1	295,200
Traill	900	900	56.2	56.2	50,600	4,100	4,100	57.2	57.2	234,400
East Central	15,500	15,300	43.7	44.3	678,100	80,800	80,000	45.6	46.1	3,685,700
Adams	13,900	13,900	27.9	27.9	388,200	1,100	1,100	15.3	15.3	16,800
Billings	500	500	20.0	20.0	10,000	---	---	---	---	---
Bowman	16,200	14,800	19.8	21.7	321,400	3,300	2,200	10.8	16.2	35,600
Golden Valley	15,100	12,900	16.6	19.4	250,800	4,900	4,600	13.1	14.0	64,200
Hettinger	17,500	17,200	36.6	37.2	640,000	9,500	9,300	30.2	30.9	287,000
Slope	9,200	9,200	25.4	25.4	233,300	3,800	3,800	15.7	15.7	59,700
Stark	10,000	9,700	30.7	31.6	306,800	5,000	4,800	18.4	19.2	92,200
Southwest	82,400	78,200	26.1	27.5	2,150,500	27,600	25,800	20.1	21.5	555,500
Burleigh	5,200	5,200	29.8	29.8	154,900	4,800	4,800	27.1	27.1	130,100
Emmons	2,200	2,200	26.2	26.2	57,700	2,800	2,800	16.2	16.2	45,300
Grant	600	600	29.0	29.0	17,400	2,400	2,400	18.2	18.2	43,600
Morton	1,200	1,200	33.8	33.8	40,500	2,800	2,500	13.4	15.0	37,500
Sioux	3,500	3,300	22.3	23.6	78,000	1,500	1,000	9.3	14.0	14,000
South Central	12,700	12,500	27.4	27.9	348,500	14,300	13,500	18.9	20.0	270,500
Dickey	7,300	7,200	34.5	35.0	252,100	14,700	14,300	32.6	33.5	478,900
LaMoure	16,900	16,600	32.6	33.2	550,600	25,700	25,000	27.0	27.7	693,100
Logan	9,600	9,600	28.4	28.4	272,200	6,400	6,400	25.0	25.0	159,800
McIntosh	9,700	9,700	26.9	26.9	261,300	9,300	9,300	20.0	20.0	185,700
Ransom	2,900	2,900	36.5	36.5	105,900	2,900	2,900	36.2	36.2	105,100
Richland	1,300	1,300	41.2	41.2	53,600	7,700	7,700	58.0	58.0	446,400
Sargent	3,700	3,600	44.1	45.3	163,100	16,300	15,900	39.1	40.1	636,900
Southeast	51,400	50,900	32.3	32.6	1,658,800	83,000	81,500	32.6	33.2	2,705,900
STATE	1,666,700	1,624,700	34.1	35.0	56,818,200	1,078,000	1,060,000	35.6	36.2	38,378,300

1/ See page 61 for irrigated acres.

WINTER WHEAT: Acreage, Yield and Production by Counties, North Dakota, 1984 (Revised) and 1985 (Preliminary)

District and County	1984					1985				
	Acres Planted	Acres Harvested	Yield/Acre		Production	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.				Pltd.	Harv.	
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)
Burke	10,000	5,500	14.3	26.0	143,000	11,000	3,500	4.6	14.5	50,800
Divide	3,000	2,800	26.1	28.0	78,400	6,000	3,500	8.8	15.0	52,500
Mountrail	4,000	3,200	22.4	28.0	89,600	8,500	5,500	21.7	33.5	184,300
Renville	3,500	3,000	31.7	37.0	111,000	10,000	7,000	30.5	43.5	304,500
Ward	10,500	9,600	31.1	34.0	326,400	21,500	11,500	18.8	35.2	404,900
Williams	4,000	3,000	12.8	17.0	51,000	13,000	7,000	8.1	15.0	105,000
Northwest	35,000	27,100	22.8	29.5	799,400	70,000	38,000	15.7	29.0	1,102,000
Benson	2,000	1,700	34.9	41.0	69,700	4,000	2,500	20.6	33.0	82,500
Bottineau	21,000	17,700	28.3	33.6	595,000	50,000	15,300	10.8	35.3	540,100
McHenry	5,000	4,900	29.4	30.0	147,000	13,000	8,000	17.8	29.0	232,000
Pierce	4,500	4,200	27.1	29.0	121,800	5,000	2,400	12.5	26.0	62,400
Rolette	2,500	2,500	42.0	42.0	105,000	3,000	800	8.7	32.5	26,000
North Central	35,000	31,000	29.7	33.5	1,038,500	75,000	29,000	12.6	32.5	943,000
Cavalier	4,000	3,900	47.3	48.5	189,200	5,000	3,800	35.0	46.0	174,800
Grand Forks	18,000	14,500	34.3	42.6	617,000	8,000	2,500	13.3	42.5	106,200
Nelson	4,000	3,400	33.2	39.0	132,600	6,000	2,600	15.7	36.3	94,400
Pembina	2,000	1,600	39.6	49.5	79,200	1,500	1,100	36.7	50.0	55,000
Ramsey	4,000	3,200	30.4	38.0	121,600	1,500	700	14.0	30.0	21,000
Towner	7,000	6,600	36.8	39.0	257,400	10,000	5,000	17.5	35.0	175,000
Walsh	3,000	2,600	35.5	41.0	106,600	6,000	2,300	18.6	48.5	111,600
Northeast	42,000	35,800	35.8	42.0	1,503,600	38,000	18,000	19.4	41.0	738,000
Dunn	4,000	3,800	31.7	33.4	126,800	8,000	5,300	23.2	35.0	185,500
McKenzie	8,000	6,700	18.0	21.5	144,100	17,000	6,400	5.3	14.0	89,600
McLean	6,500	5,800	28.1	31.5	182,700	19,000	14,900	31.0	39.6	589,900
Mercer	1,000	0	0.0	0.0	0	1,000	400	10.0	25.0	10,000
Oliver	1,500	1,400	28.0	30.0	42,000	5,000	4,000	19.2	24.0	96,000
West Central	21,000	17,700	23.6	28.0	495,600	50,000	31,000	19.4	31.3	971,000
Eddy	4,000	3,900	35.6	36.5	142,400	5,000	2,500	20.5	41.0	102,500
Foster	5,000	4,900	43.1	44.0	215,600	20,000	12,000	20.1	33.5	402,000
Kidder	2,000	2,000	32.5	32.5	64,900	3,000	2,500	17.5	21.0	52,500
Sheridan	4,500	4,100	33.3	36.5	149,700	12,000	4,800	12.4	31.0	148,800
Stutsman	27,500	24,900	37.3	41.2	1,024,700	40,000	28,500	23.5	33.0	941,900
Wells	12,000	10,700	35.2	39.5	422,700	10,000	3,700	10.7	29.0	107,300
Central	55,000	50,500	36.7	40.0	2,020,000	90,000	54,000	19.5	32.5	1,755,000
Barnes	48,500	44,600	40.5	44.0	1,962,400	54,000	30,000	20.7	37.2	1,117,400
Cass	58,500	56,000	49.1	51.3	2,871,200	36,000	19,200	25.6	48.0	921,600
Griggs	10,000	7,800	35.5	45.5	354,900	15,000	7,000	21.0	45.0	315,000
Steele	23,000	21,400	42.8	46.0	984,400	12,000	4,300	12.5	35.0	150,500
Traill	25,000	24,100	42.4	44.0	1,060,400	8,000	4,500	24.2	43.0	193,500
East Central	165,000	153,900	43.8	47.0	7,233,300	125,000	65,000	21.6	41.5	2,698,000
Adams	18,500	13,600	33.1	45.0	612,000	15,000	12,000	18.4	23.0	276,000
Billings	10,000	8,300	20.3	24.5	203,400	4,000	1,500	6.8	18.0	27,000
Bowman	18,000	17,300	28.4	29.5	510,400	10,500	8,700	16.2	19.5	169,700
Golden Valley	18,000	16,000	26.2	29.5	472,000	11,500	6,500	10.5	18.5	120,300
Hettinger	11,000	10,100	40.8	44.5	449,000	21,000	10 000	16.1	33.7	337,100
Slope	14,000	13,200	35.4	37.5	495,000	7,000	5,600	18.4	23.0	128,800
Stark	10,500	9,600	28.3	31.0	297,600	23,000	8,700	8.1	21.5	187,100
Southwest	100,000	88,100	30.4	34.5	3,039,400	92,000	53,000	13.5	23.5	1,246,000
Burleigh	5,000	4,200	22.9	27.2	114,300	8,000	7,000	21.6	24.7	173,100
Emmons	7,000	6,800	29.1	30.0	204,000	5,000	4,200	29.0	34.5	144,900
Grant	3,000	3,000	32.0	32.0	96,000	6,000	3,100	16.5	32.0	99,200
Morton	6,000	4,700	22.7	29.0	136,300	7,000	5,000	20.7	29.0	145,000
Sioux	16,000	8,300	17.9	34.5	286,400	4,000	2,700	16.2	24.0	64,800
South Central	37,000	27,000	22.6	31.0	837,000	30,000	22,000	20.9	28.5	627,000
Dickey	30,000	24,400	33.3	41.0	1,000,400	32,000	28,500	34.3	38.5	1,097,300
LaMoure	18,500	17,200	40.0	43.0	739,600	28,000	14,400	21.1	41.0	590,400
Logan	1,000	1,000	35.5	35.5	35,500	6,000	5,400	27.0	30.0	162,000
McIntosh	1,500	1,500	28.5	28.5	42,800	3,000	2,700	22.5	25.0	67,500
Ransom	19,000	18,000	44.1	46.5	837,000	23,000	11,000	20.3	42.5	467,500
Richland	15,000	14,500	42.5	44.0	638,000	15,000	12,000	33.6	42.0	504,000
Sargent	45,000	42,300	38.7	41.1	1,739,900	73,000	66,000	38.1	42.1	2,781,300
Southeast	130,000	118,900	38.7	42.3	5,033,200	180,000	140,000	31.5	40.5	5,670,000
STATE	620,000	550,000	35.5	40.0	22,000,000	750,000	450,000	21.0	35.0	15,750,000

North Dakota Totals by Special Cropping Practices

	1984					1985				
Summer Fallow	451,000	400,200	36.1	40.6	16,264,200	363,300	170,300	17.5	37.4	6,368,800
Cont. Cropping	169,000	149,800	33.9	38.3	5,735,800	386,700	279,700	24.3	33.5	9,381,200
Irrigated		- - - - - N O N E - - - - -					- - - - - N O N E - - - - -			

RYE: Acreage, Yield and Production by Counties, North Dakota, 1984 (Revised) and 1985 (Preliminary)

District and County	1984					1985				
	Acres Planted	Acres Harvested	Yield/Acre Pltd.	Yield/Acre Harv.	Production	Acres Planted	Acres Harvested	Yield/Acre Pltd.	Yield/Acre Harv.	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)
Burke	3,900	3,800	28.9	29.7	112,900	1,200	1,000	25.0	30.0	30,000
Divide	1,000	700	14.0	20.0	14,000	1,000	900	13.5	15.0	13,500
Mountrail	2,600	2,200	25.0	29.5	64,900	3,000	2,000	18.7	28.0	56,000
Renville	1,700	1,700	33.0	33.0	56,100	800	600	22.9	30.5	18,300
Ward	3,400	3,300	26.2	27.0	89,100	1,800	1,400	21.8	28.0	39,200
Williams	2,400	2,300	28.8	30.0	69,000	3,200	2,300	12.4	17.3	39,800
Northwest	15,000	14,000	27.1	29.0	406,000	11,000	8,200	17.9	24.0	196,800
Benson	2,000	2,000	42.0	42.0	84,000	1,000	500	13.0	26.0	13,000
Bottineau	8,000	8,000	31.0	31.0	248,000	5,500	2,500	15.0	33.0	82,500
McHenry	12,500	12,500	29.3	29.3	366,000	9,500	8,000	24.4	28.9	231,500
Pierce	5,500	5,500	32.0	32.0	176,000	2,500	2,000	18.4	23.0	46,000
Rolette	6,000	6,000	30.0	30.0	180,000	2,500	2,000	24.8	31.0	62,000
North Central	34,000	34,000	31.0	31.0	1,054,000	21,000	15,000	20.7	29.0	435,000
Cavalier	200	200	36.0	36.0	7,200	200	100	12.0	24.0	2,400
Grand Forks	400	400	35.0	35.0	14,000	200	100	14.0	28.0	2,800
Nelson	1,100	1,100	38.0	38.0	41,800	600	300	15.0	30.0	9,000
Pembina	2,000	2,000	39.8	39.8	79,600	800	500	17.5	28.0	14,000
Ramsey	---	---	---	---	---	---	---	---	---	---
Towner	1,700	1,700	34.0	34.0	57,800	1,000	700	19.2	27.4	19,200
Walsh	1,600	1,600	41.0	41.0	65,600	200	100	15.0	30.0	3,000
Northeast	7,000	7,000	38.0	38.0	266,000	3,000	1,800	16.8	28.0	50,400
Dunn	400	400	38.0	38.0	15,200	2,400	2,100	31.1	35.5	74,600
McKenzie	300	300	30.0	30.0	9,000	100	100	21.0	21.0	2,100
McLean	4,500	4,300	32.2	33.7	144,700	3,200	2,900	32.8	36.2	104,900
Mercer	1,700	1,700	30.0	30.0	51,000	1,100	1,000	45.5	50.0	50,000
Oliver	100	100	45.0	45.0	4,500	200	100	20.0	40.0	4,000
West Central	7,000	6,800	32.1	33.0	224,400	7,000	6,200	33.7	38.0	235,600
Eddy	4,200	4,000	33.3	35.0	140,000	2,000	1,200	22.8	38.0	45,600
Foster	2,800	2,800	48.0	48.0	134,400	1,200	700	23.3	40.0	28,000
Kidder	2,800	2,600	31.6	34.0	88,400	1,300	1,200	32.3	35.0	42,000
Sheridan	3,000	2,600	26.9	31.0	80,600	1,200	700	15.2	26.0	18,200
Stutsman	6,200	6,100	42.8	43.5	265,400	1,700	1,400	33.1	40.1	56,200
Wells	3,000	2,900	36.7	38.0	110,200	600	500	25.0	30.0	15,000
Central	22,000	21,000	37.2	39.0	819,000	8,000	5,700	25.6	36.0	205,000
Barnes	2,400	2,400	44.0	44.0	105,600	700	600	40.4	47.2	28,300
Cass	1,400	1,400	54.0	54.0	75,600	200	200	52.0	52.0	10,400
Griggs	---	---	---	---	---	100	100	45.0	45.0	4,500
Steele	200	200	44.0	44.0	8,800	---	---	---	---	---
Traill	---	---	---	---	---	---	---	---	---	---
East Central	4,000	4,000	47.5	47.5	190,000	1,000	900	43.2	48.0	43,200
Adams	4,000	3,800	32.3	34.0	129,200	3,000	2,400	27.2	34.0	81,600
Billings	1,000	1,000	20.0	20.0	20,000	1,000	700	11.9	17.0	11,900
Bowman	6,000	5,400	27.0	30.0	162,000	2,600	2,200	25.4	30.0	66,000
Golden Valley	---	---	---	---	---	100	100	18.0	18.0	1,800
Hettinger	6,300	6,200	32.7	33.2	206,100	4,100	3,300	24.4	30.3	100,000
Slope	500	500	25.0	25.0	12,500	3,000	2,100	15.4	22.0	46,200
Stark	5,200	5,100	31.4	32.0	163,200	4,200	3,200	25.1	33.0	105,500
Southwest	23,000	22,000	30.1	31.5	693,000	18,000	14,000	22.9	29.5	413,000
Burleigh	2,800	2,700	44.4	46.0	124,200	2,000	1,900	23.8	25.0	47,500
Emmons	1,300	1,300	29.0	29.0	37,700	2,000	1,900	24.7	26.0	49,400
Grant	3,700	3,500	23.2	24.5	85,900	4,500	4,200	30.5	32.7	137,300
Morton	1,400	1,400	34.0	34.0	47,600	900	800	23.1	26.0	20,800
Sioux	800	800	43.0	43.0	34,400	600	500	25.0	30.0	15,000
South Central	10,000	9,700	33.0	34.0	329,800	10,000	9,300	27.0	29.0	270,000
Dickey	8,500	8,400	44.5	45.0	378,000	5,500	5,100	39.9	43.0	219,300
LaMoure	8,900	8,400	46.2	49.0	411,600	6,000	5,100	39.1	46.0	234,500
Logan	1,000	1,000	29.0	29.0	29,000	800	500	17.5	28.0	14,000
McIntosh	2,600	2,600	41.0	41.0	106,600	3,600	3,400	29.3	31.0	105,400
Ransom	3,000	2,800	38.7	41.5	116,200	1,100	1,000	43.6	48.0	48,000
Richland	3,700	3,600	44.6	45.8	164,900	1,500	1,400	36.4	39.0	54,600
Sargent	5,300	4,700	39.9	45.0	211,500	2,500	2,400	46.1	48.0	115,200
Southeast	33,000	31,500	43.0	45.0	1,417,800	21,000	18,900	37.7	41.9	791,000
STATE	155,000	150,000	34.8	36.0	5,400,000	100,000	80,000	26.4	33.0	2,640,000

BARLEY: Acreage, Yield and Production by Counties, North Dakota, 5-Year Average, 1980-84 and 1984 (Revised)

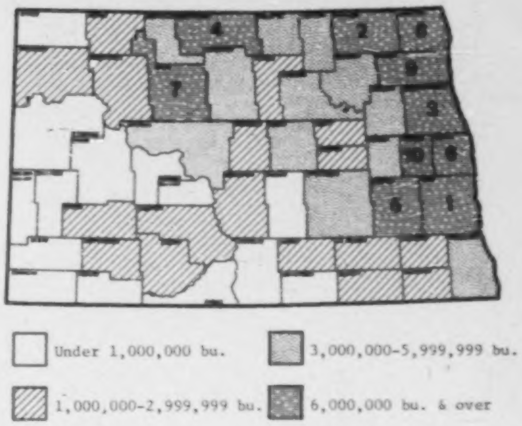
District and County	5-Year Average, 1980-84 1/					1984				
	Acres Planted	Acres Harvested	Yield/Acre		Production	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.				Pltd.	Harv.	
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)
Burke	24,500	22,700	30.0	33.1	783,200	46,000	45,000	31.3	32.0	1,440,000
Divide	28,100	26,800	28.8	30.5	809,600	61,000	57,000	23.4	25.0	1,425,000
Mountrail	26,600	25,500	33.4	36.3	903,800	59,000	58,000	31.5	32.0	1,856,000
Renville	50,600	48,700	37.8	38.8	2,027,800	79,000	79,000	46.5	46.5	3,674,000
Ward	54,800	52,500	40.6	42.4	2,344,400	86,000	86,000	44.8	44.8	3,855,000
Williams	32,300	30,500	28.7	31.8	929,600	79,000	75,000	24.7	26.0	1,950,000
Northwest	217,000	206,800	34.4	36.4	7,798,400	410,000	400,000	34.6	35.5	14,200,000
Benson	49,100	46,300	37.0	39.0	1,869,200	63,000	63,000	45.0	45.0	2,835,000
Bottineau	106,400	102,000	37.9	39.1	4,060,600	145,000	143,000	39.6	40.1	5,740,000
McHenry	33,500	31.200	39.7	41.7	1,345,600	45,000	44,000	41.6	42.5	1,870,000
Pierce	34,800	32,700	37.7	39.7	1,342,600	46,000	46,000	40.0	40.0	1,840,000
Rolette	44,200	41,200	37.5	39.6	1,641,000	51,000	49,000	43.2	45.0	2,205,000
North Central	268,000	253,400	37.9	39.6	10,259,000	350,000	345,000	41.4	42.0	14,490,000
Cavalier	180,400	175,400	47.4	48.7	8,586,200	200,000	199,000	58.6	58.9	11,724,000
Grand Forks	151,800	142,800	50.7	53.1	7,753,400	145,000	142,000	64.6	66.0	9,372,000
Nelson	52,600	51,400	45.3	46.3	2,527,400	67,000	67,000	60.0	60.0	4,020,000
Pembina	75,200	70,700	54.5	57.7	4,243,600	90,000	89,000	72.2	73.0	6,497,000
Ramsey	73,600	69,300	40.7	43.3	3,090,800	93,000	91,000	53.3	54.5	4,960,000
Towner	84,000	79,600	37.4	39.4	3,193,400	105,000	103,000	44.6	45.5	4,687,000
Walsh	93,400	86,400	48.6	51.7	4,619,600	100,000	99,000	69.3	70.0	6,930,000
Northeast	711,000	675,600	47.0	49.2	34,014,400	800,000	790,000	60.2	61.0	48,190,000
Dunn	14,000	12,400	31.9	36.0	488,400	25,000	24,500	40.7	41.5	1,017,000
McKenzie	17,600	15,400	29.0	34.0	538,400	35,000	30,500	28.8	33.0	1,007,000
McLean	20,800	20,400	38.6	39.8	854,000	47,000	47,000	41.1	41.1	1,931,000
Mercer	6,500	5,500	31.8	36.4	216,000	12,000	12,000	40.0	40.0	480,000
Oliver	8,300	7,800	39.0	41.3	323,400	11,000	11,000	40.0	40.0	440,000
West Central	67,200	61,500	34.0	37.6	2,420,200	130,000	125,000	37.5	39.0	4,875,000
Eddy	10,400	10,200	41.8	43.4	444,600	17,000	17,000	43.5	43.5	740,000
Foster	10,500	9,600	42.1	46.3	470,600	16,000	16,000	55.0	55.0	880,000
Kidder	12,100	10,800	32.7	35.0	399,400	14,000	13,500	39.5	41.0	553,000
Sheridan	15,300	14,000	35.8	39.2	577,400	22,000	21,500	45.9	47.0	1,010,000
Stutsman	44,600	42,200	41.3	43.5	2,011,000	79,000	77,000	54.7	56.1	4,322,000
Wells	41,700	39,600	41.5	43.4	1,768,600	52,000	52,000	47.0	47.0	2,444,000
Central	134,600	126,400	40.2	42.7	5,671,600	200,000	197,000	49.7	50.5	9,949,000
Barnes	123,400	120,600	47.6	48.6	5,956,200	140,000	138,000	61.1	62.0	8,556,000
Cass	176,000	173,400	57.4	58.2	10,077,800	160,000	159,000	72.2	72.6	11,546,000
Griggs	46,000	43,500	46.0	47.9	2,175,800	55,000	55,000	61.0	61.0	3,355,000
Steele	85,000	83,200	50.2	51.2	4,271,000	85,000	84,000	64.2	65.0	5,460,000
Traill	122,600	119,900	57.7	58.9	7,065,800	110,000	109,000	68.9	69.5	7,576,000
East Central	553,000	540,600	53.2	54.4	29,546,600	550,000	545,000	66.4	67.0	36,493,000
Adams	10,500	8,800	30.1	32.6	377,600	18,000	17,500	48.6	50.0	875,000
Billings	3,000	2,300	21.1	26.3	65,000	5,000	4,500	24.8	27.6	124,000
Bowman	17,600	14,600	26.9	31.6	540,200	29,000	28,000	40.1	41.5	1,162,000
Golden Valley	12,500	10,400	29.0	34.4	366,400	18,000	16,500	31.2	34.0	561,000
Hettinger	20,200	19,100	33.0	35.5	786,600	38,000	37,500	46.1	46.7	1,753,000
Slope	15,500	12,500	32.0	37.0	522,000	25,000	25,000	45.0	45.0	1,125,000
Stark	15,300	13,500	26.7	30.6	475,200	27,000	26,000	36.6	38.0	988,000
Southwest	94,600	81,200	29.6	33.9	3,133,000	160,000	155,000	41.2	42.5	6,588,000
Burleigh	12,600	11,300	31.0	33.6	415,400	17,000	17,000	43.0	43.0	731,000
Emmons	11,200	9,700	32.0	34.4	407,400	21,000	20,500	50.8	52.0	1,066,000
Grant	18,800	15,800	29.5	33.3	597,800	31,000	28,500	38.2	41.5	1,183,000
Morton	26,600	22,200	32.2	38.5	916,600	42,000	41,000	42.9	44.0	1,803,000
Sioux	3,400	2,600	27.4	31.6	96,800	4,000	4,000	53.0	53.0	212,000
South Central	72,600	61,600	31.0	35.3	2,434,000	115,000	111,000	43.4	45.0	4,995,000
Dickey	32,400	31,700	41.3	42.2	1,390,800	40,000	39,500	61.2	62.0	2,449,000
LaMoure	29,000	28,400	42.3	43.1	1,287,800	39,000	39,000	61.5	61.5	2,399,000
Logan	13,500	12,900	35.6	37.5	555,000	25,000	24,000	53.3	55.5	1,332,000
McIntosh	10,700	9,600	31.6	33.7	366,000	17,000	16,500	48.1	49.5	817,000
Ransom	30,400	29,700	45.8	46.8	1,422,000	37,000	36,500	58.7	59.5	2,172,000
Richland	49,200	48,100	51.6	52.9	2,555,400	48,000	47,500	63.6	64.3	3,054,000
Sargent	26,800	26,400	46.1	46.7	1,247,800	29,000	29,000	58.5	58.5	1,697,000
Southeast	192,000	186,900	44.7	45.9	8,824,800	235,000	232,000	59.2	60.0	13,920,000
STATE	2,310,000	2,194,000	44.1	46.3	104,102,000	2,950,000	2,900,000	52.1	53.0	153,700,000

1/ Totals may not add due to rounding.

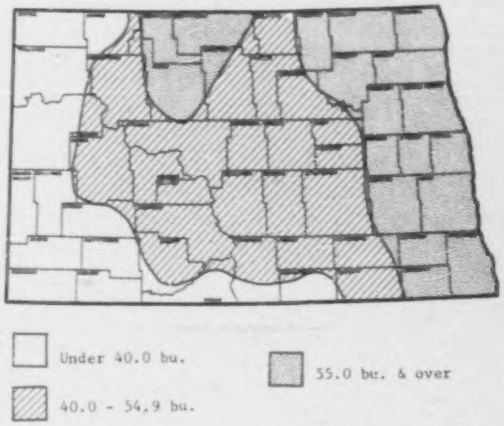
BARLEY: Acreage, Yield and Production by Counties, North Dakota, 1985 (Preliminary)

District and County	Acres Planted	Acres Harvested	Yield/Acre Pltd.	Yield/Acre Harv.	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)
Burke	55,000	50,000	32.3	35.5	1,775,000
Divide	66,000	49,000	13.0	17.5	858,000
Mountrail	64,000	59,000	39.6	43.0	2,537,000
Renville	89,000	87,000	55.2	56.5	4,916,000
Ward	113,000	112,000	61.2	61.8	6,921,000
Williams	38,000	72,000	16.4	20.0	1,440,000
Northwest	475,000	429,000	38.8	43.0	18,447,000
Benson	80,000	80,000	47.5	47.5	3,800,000
Bottineau	171,000	171,000	59.5	59.5	10,168,000
McHenry	58,000	58,000	53.5	53.5	3,103,000
Pierce	60,000	60,000	44.5	44.5	2,670,000
Rolette	61,000	61,000	53.5	53.5	3,264,000
North Central	430,000	430,000	53.5	53.5	23,005,000
Cavalier	210,000	180,000	55.9	65.3	11,746,000
Grand Forks	160,000	160,000	67.0	67.0	10,720,000
Nelson	82,000	82,000	58.5	58.5	4,797,000
Pembina	94,000	94,000	73.0	73.0	6,862,000
Ramsey	110,000	109,000	54.5	55.0	5,995,000
Towner	110,000	104,000	52.0	55.0	5,720,000
Walsh	112,000	103,000	58.9	64.0	6,592,000
Northeast	878,000	832,000	59.7	63.0	52,432,000
Dunn	28,000	23,000	32.9	40.0	920,000
McKenzie	37,000	27,000	20.4	28.0	756,000
McLean	63,000	63,000	49.4	49.4	3,110,000
Mercer	15,000	14,000	53.7	57.5	805,000
Oliver	15,000	15,000	48.5	48.5	728,000
West Central	158,000	142,000	40.0	44.5	6,319,000
Eddy	24,000	23,000	45.0	47.0	1,081,000
Foster	20,000	20,000	51.0	51.0	1,020,000
Kidder	21,000	20,000	39.5	41.5	830,000
Sheridan	29,000	29,000	50.0	50.0	1,450,000
Stutsman	117,000	114,000	46.5	47.7	5,440,000
Wells	72,000	72,000	47.0	47.0	3,384,000
Central	283,000	278,000	46.7	47.5	13,205,000
Barnes	159,000	153,000	54.8	57.0	8,721,000
Cass	182,000	181,000	74.2	74.6	13,500,000
Griggs	69,000	68,000	59.6	60.5	4,114,000
Steele	96,000	96,000	65.0	65.0	6,240,000
Traill	113,000	113,000	74.0	74.0	8,362,000
East Central	619,000	611,000	66.1	67.0	40,937,000
Adams	26,000	24,000	34.4	37.3	895,000
Billings	6,000	3,000	10.0	20.0	60,000
Bowman	29,000	23,000	22.6	28.5	656,000
Golden Valley	22,000	18,000	22.5	27.5	495,000
Hettinger	45,000	45,000	39.5	39.5	1,778,000
Slope	28,000	25,000	30.8	34.5	863,000
Stark	32,000	29,000	31.7	35.0	1,015,000
Southwest	188,000	167,000	30.6	34.5	5,762,000
Burleigh	25,000	25,000	40.5	40.5	1,012,000
Emmons	25,000	24,000	38.9	40.5	972,000
Grant	36,000	33,000	40.3	44.0	1,452,000
Morton	53,000	52,000	44.9	45.8	2,382,000
Sioux	7,000	7,000	35.0	35.0	245,000
South Central	146,000	141,000	41.5	43.0	6,063,000
Dickey	55,000	55,000	52.0	52.0	2,860,000
LaMoure	60,000	59,000	49.8	51.5	2,987,000
Logan	33,000	33,000	45.0	45.0	1,485,000
McIntosh	27,000	27,000	36.0	36.0	972,000
Ransom	45,000	44,000	58.6	60.0	2,639,000
Richland	60,000	60,000	72.0	72.0	4,320,000
Sargent	43,000	43,000	65.5	65.5	2,817,000
Southeast	323,000	320,000	56.0	56.5	18,080,000
STATE	3,500,000	3,350,000	52.6	55.0	184,250,000

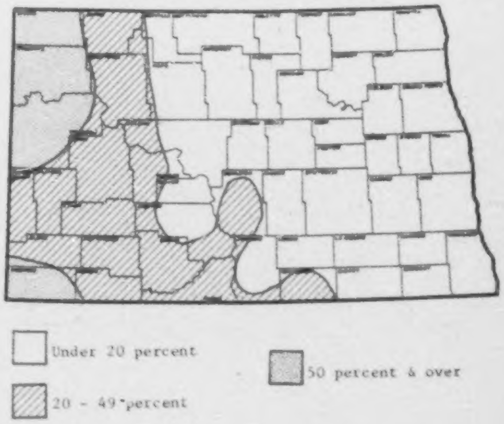
BARLEY, 1985 - Production by Counties,
(Rank of First Ten Counties Shown)



BARLEY, 1985 - Yield per Harvested Acre
(Bushels)



BARLEY, 1985
Percent Planted on Summer Fallow



BARLEY: Acreage, Yield and Production for Summer Fallow and Continuous Cropping by Counties, North Dakota, 1984 (Preliminary) 1/

District and County	Summer Fallow					Continuous Cropping				
	Acres Planted	Acres Harvested	Yield/Acre		Production	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.				Pltd.	Harv.	
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)
Burke	20,700	20,700	32.3	32.3	668,000	25,300	24,300	30.5	31.8	772,000
Divide	44,100	43,200	26.5	27.1	1,170,300	16,800	13,700	14.6	18.0	246,000
Mountrail	31,900	31,900	34.1	34.1	1,088,300	27,100	26,100	28.3	29.4	767,700
Renville	18,800	18,800	54.5	54.5	1,024,700	60,200	60,200	44.0	44.0	2,649,300
Ward	18,400	18,400	47.0	47.0	864,200	67,600	67,600	44.2	44.2	2,990,800
Williams	62,300	60,800	27.2	27.9	1,693,600	16,500	14,000	14.8	17.4	243,600
Northwest	196,200	193,800	33.2	33.6	6,509,100	213,500	205,900	35.9	37.2	7,669,400
Benson	17,700	17,700	43.6	43.6	772,400	45,100	45,100	45.3	45.3	2,044,000
Bottineau	26,100	26,100	38.6	38.6	1,007,400	118,900	116,900	39.8	40.5	4,732,600
McHenry	7,500	7,200	38.5	40.1	288,700	37,500	36,800	42.2	43.0	1,581,300
Pierce	13,300	13,300	39.9	39.9	530,100	32,700	32,700	40.1	40.1	1,309,900
Rolette	9,100	8,300	48.3	52.9	439,100	41,900	40,700	42.1	43.4	1,765,900
North Central	73,700	72,600	41.2	41.8	3,037,700	276,100	272,200	41.4	42.0	11,433,700
Cavalier	28,200	28,200	60.0	60.0	1,692,300	171,800	170,800	58.4	58.7	10,031,700
Grand Forks	11,900	11,200	55.6	59.1	662,000	133,100	130,800	65.4	66.6	8,710,000
Nelson	13,700	13,700	59.5	59.5	814,900	53,200	53,200	60.1	60.1	3,196,100
Pembina	9,000	8,500	64.2	68.0	577,700	81,000	80,500	73.1	73.5	5,919,300
Ramsey	10,300	10,300	53.0	53.0	546,000	82,700	80,700	53.4	54.7	4,414,000
Towner	17,700	17,200	47.8	49.2	846,300	87,300	85,800	44.0	44.8	3,840,700
Walsh	15,600	15,100	63.7	65.8	993,800	84,400	83,900	70.3	70.8	5,936,200
Northeast	106,400	104,200	57.6	58.9	6,133,000	693,500	685,700	60.6	61.3	42,048,000
Dunn	10,700	10,700	42.5	42.5	454,900	14,300	13,800	39.3	40.7	562,100
McKenzie	24,500	21,900	30.2	33.7	739,100	10,200	8,300	24.0	29.4	244,300
McLean	24,000	24,000	45.6	45.6	1,095,300	22,700	22,700	35.7	35.7	809,600
Mercer	5,800	5,800	43.4	43.4	251,600	6,100	6,100	36.3	36.3	221,400
Oliver	4,900	4,900	45.8	45.8	224,400	6,000	6,000	34.8	34.8	208,600
West Central	69,900	67,300	39.6	41.1	2,765,300	59,300	56,900	34.5	36.0	2,046,000
Eddy	5,000	5,000	41.8	41.8	208,900	11,700	11,700	42.8	42.8	501,100
Foster	4,400	4,400	59.5	59.5	261,900	11,500	11,500	52.9	52.9	608,100
Kidder	4,300	3,800	34.2	38.7	147,100	9,400	9,400	40.9	40.9	384,900
Sheridan	3,200	3,100	44.2	45.6	141,500	18,800	18,400	46.2	47.2	868,500
Stutsman	13,500	13,500	62.3	62.3	841,700	65,500	63,500	53.1	54.8	3,480,300
Wells	9,000	9,000	45.2	45.2	407,100	43,000	43,000	47.4	47.4	2,036,900
Central	39,400	38,800	51.0	51.8	2,008,200	159,900	157,500	49.3	50.0	7,879,800
Barnes	19,900	19,400	58.1	59.6	1,155,400	120,100	118,600	61.6	62.4	7,400,600
Cass	15,900	15,900	65.9	65.9	1,048,100	143,900	142,900	72.8	73.3	10,477,900
Griggs	9,500	9,500	56.9	56.9	540,500	45,500	45,500	61.9	61.9	2,814,500
Steele	9,900	9,900	64.0	64.0	633,200	75,100	74,100	64.3	65.1	4,826,800
Traill	5,900	5,900	60.9	60.9	359,500	104,100	103,100	69.3	70.0	7,216,500
East Central	61,100	60,600	61.2	61.7	3,736,700	488,700	484,200	67.0	67.6	32,736,300
Adams	8,300	8,300	55.4	55.4	459,800	9,700	9,200	42.8	45.1	415,200
Billings	2,900	2,900	29.4	29.4	85,300	2,100	1,600	18.4	24.2	38,700
Bowman	20,500	19,500	41.7	43.9	855,300	8,500	8,500	36.1	36.1	306,700
Golden Valley	12,100	10,800	30.3	34.0	367,100	5,700	5,500	31.2	32.3	177,900
Hettinger	18,400	18,100	51.3	52.1	943,900	19,600	19,400	41.3	41.7	809,100
Slope	16,600	16,600	45.5	45.5	755,400	8,400	8,400	44.0	44.0	369,600
Stark	14,900	14,600	39.2	40.0	583,500	12,100	11,400	33.4	35.5	404,500
Southwest	93,700	90,800	43.2	44.6	4,050,300	66,100	64,000	38.1	39.4	2,521,700
Burleigh	5,100	5,100	48.5	48.5	247,300	11,900	11,900	40.6	40.6	483,700
Emmons	3,500	3,500	52.9	52.9	185,300	17,400	16,900	50.2	51.6	872,700
Grant	12,400	11,700	47.7	50.6	591,500	18,600	16,800	31.8	35.2	591,500
Morton	19,300	18,800	47.6	48.9	919,200	22,600	22,100	38.8	39.6	875,800
Sioux	1,600	1,600	68.2	68.2	109,100	2,400	2,400	42.9	42.9	102,900
South Central	41,900	40,700	49.0	50.4	2,052,400	72,900	70,100	40.1	41.7	2,926,600
Dickey	3,300	3,200	62.9	64.9	207,700	36,200	35,800	60.4	61.1	2,187,700
LaMoure	3,000	3,000	64.8	64.8	194,500	36,000	36,000	61.2	61.2	2,204,500
Logan	8,200	8,200	62.3	62.3	511,200	16,700	15,700	48.7	51.8	812,800
McIntosh	5,100	5,100	52.0	52.0	265,400	11,900	11,400	46.4	48.4	551,600
Ransom	3,200	3,200	57.6	57.6	184,300	33,500	33,000	58.7	59.6	1,967,300
Richland	3,400	3,400	68.2	68.2	231,900	44,600	44,100	63.3	64.0	2,822,100
Sargent	4,000	4,000	59.0	59.0	235,800	25,000	25,000	58.4	58.4	1,461,200
Southeast	30,200	30,100	60.6	60.8	1,830,800	203,900	201,000	58.9	59.7	12,007,200
STATE	712,500	698,900	45.1	46.0	32,123,500	2,233,900	2,197,500	54.3	55.2	121,268,700

1/ See page 60 for irrigated acres.

BARLEY: Acreage, Yield and Production for Summer Fallow and Continuous Cropping by Counties, North Dakota, 1985 (Preliminary) 1/

District and County	Summer Fallow					Continuous Cropping				
	Acres Planted	Acres Harvested	Yield/Acre		Production	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.				Pltd.	Harv.	
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)
Burke	21,900	21,000	35.9	37.4	785,600	33,100	29,000	29.9	34.1	989,400
Divide	50,600	38,000	13.1	17.4	662,900	15,300	10,900	12.3	17.2	187,900
Mountrail	26,500	23,100	35.8	41.1	948,500	37,500	35,900	42.4	44.2	1,588,500
Renville	16,800	16,100	52.3	54.6	878,500	72,200	70,900	55.9	56.9	4,037,500
Ward	15,400	15,400	53.1	53.1	817,700	97,500	96,500	62.5	63.2	6,098,300
Williams	72,400	60,600	17.7	21.2	1,284,700	15,500	11,400	9.6	13.1	149,100
Northwest	203,600	174,100	26.4	30.9	5,377,900	271,100	254,600	48.1	51.3	13,050,700
Benson	11,000	11,000	49.9	49.9	549,300	68,900	68,900	47.1	47.1	3,242,700
Bottineau	25,100	25,100	59.0	59.0	1,481,800	145,900	145,900	59.5	59.5	8,686,200
McHenry	10,200	10,200	54.6	54.6	557,300	47,800	47,800	53.3	53.3	2,545,700
Pierce	9,700	9,700	43.3	43.3	420,100	50,300	50,300	44.7	44.7	2,249,900
Rolette	5,700	5,700	45.6	45.6	259,700	55,200	55,200	54.3	54.3	2,996,300
North Central	61,700	61,700	53.0	53.0	3,268,200	368,100	368,100	53.6	53.6	19,720,800
Cavalier	10,100	10,100	62.5	62.5	631,600	199,900	169,900	55.6	65.4	11,114,400
Grand Forks	10,100	10,100	56.2	56.2	567,900	149,900	149,900	67.7	67.7	10,152,100
Nelson	8,400	8,400	67.4	67.4	566,500	73,500	73,500	57.5	57.5	4,225,500
Pembina	4,900	4,900	67.1	67.1	328,700	89,100	89,100	73.3	73.3	6,533,300
Ramsey	9,900	9,500	51.4	53.5	508,600	100,100	99,500	54.8	55.1	5,486,400
Towner	10,900	10,700	51.7	52.7	563,400	99,100	93,300	52.0	55.3	5,156,600
Walsh	13,000	12,600	57.6	59.4	748,500	99,000	90,400	59.0	64.6	5,843,500
Northeast	67,300	66,300	58.2	59.1	3,915,200	810,600	765,600	59.8	63.4	48,511,800
Dunn	7,600	6,500	40.2	47.0	305,500	20,400	16,500	30.1	37.2	614,500
McKenzie	20,400	15,100	20.7	27.9	422,000	15,800	11,100	16.7	23.8	264,200
McLean	9,500	9,500	51.1	51.1	485,900	53,300	53,300	48.9	48.9	2,608,800
Mercer	3,100	2,800	56.7	62.8	175,800	11,900	11,200	52.9	56.2	629,200
Oliver	1,500	1,500	57.7	57.7	86,600	13,400	13,400	47.2	47.2	632,800
West Central	42,100	35,400	35.1	41.7	1,475,800	114,800	105,500	41.4	45.0	4,749,500
Eddy	3,600	3,500	48.3	49.6	173,700	20,200	19,300	44.1	46.2	891,300
Foster	800	800	56.9	56.9	45,500	19,000	19,000	50.4	50.4	958,500
Kidder	1,100	900	33.1	40.4	36,400	19,800	19,000	39.8	41.4	787,500
Sheridan	1,900	1,900	55.2	55.2	104,900	27,100	27,100	49.6	49.6	1,345,100
Stutsman	14,700	14,300	49.7	51.1	730,300	102,300	99,700	46.0	47.2	4,709,700
Wells	8,200	8,200	42.1	42.1	345,300	63,800	63,800	47.6	47.6	3,038,700
Central	30,300	29,600	47.4	48.5	1,436,100	252,200	247,900	46.5	47.3	11,730,800
Barnes	5,900	5,800	62.0	63.1	366,000	153,000	147,100	54.6	56.7	8,347,000
Cass	6,600	6,300	58.2	61.0	384,400	175,400	174,700	74.8	75.1	13,115,600
Griggs	2,600	2,500	63.5	66.1	165,200	65,800	64,900	59.2	60.0	3,894,800
Steele	6,300	6,300	63.9	63.9	402,400	89,700	89,700	65.1	65.1	5,837,600
Traill	4,500	4,500	77.7	77.7	349,500	108,500	108,500	73.8	73.8	8,012,500
East Central	25,900	25,400	64.4	65.6	1,667,500	592,400	584,900	66.2	67.0	39,207,500
Adams	8,800	8,200	39.1	42.0	344,400	17,200	15,800	32.0	34.8	550,600
Billings	1,100	900	21.6	26.4	23,800	4,900	2,100	7.4	17.2	36,200
Bowman	16,200	13,000	25.4	31.6	411,000	12,800	10,000	19.1	24.5	245,000
Golden Valley	6,500	5,700	24.8	28.3	161,400	15,500	12,300	21.5	27.1	333,600
Hettinger	11,900	11,900	37.1	37.1	441,700	33,100	33,100	40.4	40.4	1,336,300
Slope	12,600	11,800	38.2	40.8	481,500	15,400	13,200	24.8	28.9	381,500
Stark	7,700	6,500	35.8	42.4	275,800	24,300	22,500	30.4	32.9	739,200
Southwest	64,800	58,000	33.0	36.9	2,139,600	123,200	109,000	29.4	33.2	3,622,400
Burleigh	5,600	5,600	50.8	50.8	284,500	19,400	19,400	37.5	37.5	727,500
Emmons	1,300	1,200	49.1	53.2	63,800	23,600	22,700	38.1	39.7	900,200
Grant	9,000	8,800	52.9	54.1	476,000	26,900	24,100	36.0	40.2	968,500
Morton	9,800	9,600	54.4	55.5	532,700	43,100	42,300	42.7	43.5	1,841,800
Sioux	2,400	2,400	37.1	37.1	89,000	4,600	4,600	33.9	33.9	156,000
South Central	28,100	27,600	51.5	52.4	1,446,000	117,600	113,100	39.1	40.6	4,594,000
Dickey	5,200	5,200	55.7	55.7	289,400	49,400	49,400	51.3	51.3	2,532,200
LaMoure	4,900	4,900	42.4	42.4	207,900	55,100	53,100	50.4	52.3	2,779,100
Logan	6,400	6,400	46.2	46.2	295,500	26,500	26,500	44.6	44.6	1,181,500
McIntosh	6,100	6,100	33.7	33.7	205,600	20,900	20,900	36.7	36.7	766,400
Ransom	4,300	3,900	58.5	64.5	251,400	40,400	39,800	58.5	59.4	2,365,100
Richland	800	800	77.3	77.3	61,800	59,200	59,200	71.9	71.9	4,258,200
Sargent	4,100	4,100	77.0	77.0	315,600	38,900	38,900	64.3	64.3	2,501,400
Southeast	31,800	31,400	51.2	51.8	1,627,200	290,400	287,800	56.4	56.9	16,383,900
STATE	555,600	509,500	40.2	43.9	22,353,500	2,940,400	2,836,500	54.9	57.0	161,571,400

1/ See page 61 for irrigated acres.

OATS: Acreage, Yield and Production by Counties, North Dakota, 1980-84 Average and 1984 (Revised)

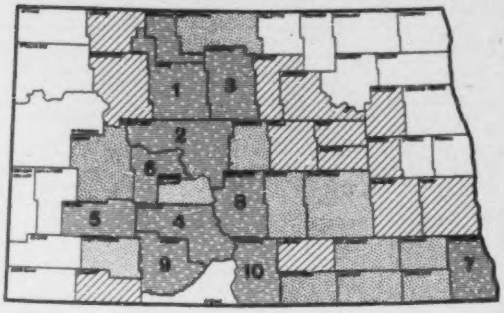
District and County	5-Year Average, 1980-84 1/					1984				
	Acres Planted	Acres Harvested	Yield/Acre		Production	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.				Pltd.	Harv.	
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)
Burke	15,300	14,100	38.8	42.1	626,600	18,500	17,000	35.4	38.5	655,000
Divide	13,600	11,400	34.0	40.7	451,000	16,500	13,500	22.1	27.0	365,000
Mountrail	27,800	21,600	33.0	43.2	973,600	33,000	24,500	28.6	38.5	943,000
Renville	23,900	22,000	46.9	50.7	1,183,800	24,500	23,500	50.4	52.5	1,234,000
Ward	45,800	40,600	45.6	50.8	2,202,200	50,000	48,000	49.5	51.5	2,474,000
Williams	20,400	15,700	31.6	41.2	665,000	22,500	13,500	18.6	31.0	419,000
Northwest	146,800	125,400	39.5	46.4	6,102,200	165,000	140,000	36.9	43.5	6,090,000
Benson	15,600	13,900	39.8	44.9	626,400	13,000	11,600	38.4	43.0	499,000
Bottineau	22,600	19,000	37.0	43.5	883,800	19,000	17,500	36.8	40.0	700,000
McHenry	44,100	38,100	37.3	42.8	1,693,800	40,000	38,000	38.0	40.0	1,520,000
Pierce	27,300	24,600	38.7	42.6	1,051,400	22,000	20,500	38.7	41.5	851,000
Rolette	12,000	10,000	35.6	42.6	433,400	6,000	5,400	32.8	36.5	197,000
North Central	121,600	105,600	37.8	43.2	4,688,800	100,000	93,000	37.7	40.5	3,767,000
Cavalier	4,800	4,100	46.6	54.8	228,200	4,000	3,700	58.3	63.0	233,000
Grand Forks	11,200	9,000	50.3	59.8	552,800	7,500	7,300	65.2	67.0	489,000
Nelson	11,500	10,100	48.9	54.7	578,800	10,500	9,600	57.9	63.3	608,000
Pembina	6,000	3,500	42.6	61.0	228,800	4,500	4,200	59.8	64.0	269,000
Ramsey	4,900	4,200	46.4	53.9	232,200	4,500	4,300	61.1	64.0	275,000
Towner	3,800	2,700	35.6	47.5	130,600	3,000	2,500	47.7	57.2	143,000
Walsh	7,600	6,700	49.4	56.5	384,200	6,000	4,900	53.2	65.1	319,000
Northeast	49,800	40,300	46.9	56.0	2,335,600	40,000	36,500	58.4	64.0	2,336,000
Dunn	41,300	25,200	29.2	43.8	1,277,000	44,000	29,500	33.9	50.5	1,490,000
McKenzie	23,500	12,900	24.6	41.6	588,800	22,000	9,500	17.9	41.5	394,000
McLean	41,600	34,600	37.7	44.6	1,629,800	47,000	42,000	43.6	48.8	2,048,000
Mercer	31,000	20,600	29.6	41.5	937,600	36,000	26,000	29.3	40.5	1,053,000
Oliver	23,600	16,600	34.1	44.0	763,400	21,000	18,000	39.4	46.0	828,000
West Central	161,000	109,800	31.5	43.6	5,196,600	170,000	125,000	34.2	46.5	5,813,000
Eddy	15,100	14,200	45.8	48.6	708,800	15,000	14,900	48.7	49.0	730,000
Foster	11,800	9,800	44.8	53.1	526,600	9,000	8,600	51.6	54.0	464,000
Kidder	35,900	27,400	32.8	40.2	1,186,000	34,000	29,000	39.7	46.5	1,349,000
Sheridan	19,600	15,200	32.7	41.5	656,600	17,500	13,000	31.2	42.0	546,000
Stutsman	38,300	32,400	43.1	49.4	1,580,400	34,000	31,000	56.3	61.8	1,915,000
Wells	16,300	12,900	39.9	49.3	669,200	15,500	13,500	46.2	53.0	716,000
Central	137,000	111,800	39.0	46.5	5,427,600	125,000	110,000	45.8	52.0	5,720,000
Barnes	19,600	17,300	49.8	55.2	977,400	14,000	13,500	65.1	67.5	911,000
Cass	13,900	12,300	59.0	66.5	824,600	6,500	6,300	69.7	71.9	453,000
Griggs	12,000	10,700	49.7	55.3	616,000	10,000	9,300	47.0	50.5	470,000
Steele	3,800	3,200	50.9	61.0	200,800	2,500	2,400	62.4	65.0	156,000
Traill	4,500	4,000	56.3	63.3	265,600	2,000	2,000	60.5	60.5	121,000
East Central	53,800	47,500	52.6	59.0	2,884,400	35,000	33,500	60.3	63.0	2,111,000
Adams	22,300	16,400	30.8	38.9	815,800	25,000	23,000	46.5	50.5	1,162,000
Billings	12,100	5,700	19.6	36.3	240,400	11,000	5,500	19.3	38.5	212,000
Bowman	23,000	13,100	25.0	36.6	515,200	23,000	17,500	34.3	45.0	788,000
Golden Valley	12,300	8,500	24.0	33.2	314,600	14,000	9,500	22.7	33.5	318,000
Hettinger	19,700	15,100	32.7	41.0	700,200	21,000	18,500	46.7	53.0	981,000
Slope	13,100	8,700	27.7	41.3	388,800	14,000	11,000	33.0	42.0	462,000
Stark	44,500	32,900	31.1	38.4	1,470,400	47,000	42,000	43.5	48.7	2,046,000
Southwest	147,000	100,400	28.7	38.6	4,445,400	155,000	127,000	38.5	47.0	5,969,000
Burleigh	38,800	27,700	29.4	40.6	1,181,600	38,000	31,000	37.5	46.0	1,426,000
Emmons	58,600	39,300	31.8	41.9	1,883,800	58,000	48,000	49.2	59.4	2,851,000
Grant	44,700	29,600	28.2	39.3	1,268,400	43,000	33,000	38.0	49.5	1,634,000
Morton	59,600	38,000	29.3	41.4	1,753,800	57,000	48,000	40.4	48.0	2,304,000
Sioux	16,300	9,600	25.4	37.7	400,000	14,000	10,000	38.6	54.0	540,000
South Central	218,000	144,200	29.4	40.8	6,487,600	210,000	170,000	41.7	51.5	8,755,000
Dickey	26,400	22,100	38.1	43.7	975,800	20,000	19,500	61.5	63.0	1,229,000
LaMoure	26,800	23,300	42.6	47.6	1,134,400	24,000	23,500	64.6	66.0	1,551,000
Logan	28,000	20,300	34.7	42.3	916,600	22,500	21,000	57.4	61.5	1,292,000
McIntosh	36,600	29,800	36.9	41.3	1,400,600	38,000	37,000	59.7	61.3	2,267,000
Ransom	21,700	19,200	48.8	54.3	1,048,400	16,500	16,000	66.4	68.5	1,096,000
Richland	25,300	22,100	56.9	64.2	1,395,200	16,000	15,500	77.5	80.0	1,240,000
Sargent	20,200	18,200	47.3	52.0	944,800	13,000	12,500	57.2	59.5	744,000
Southeast	185,000	155,000	43.0	49.6	7,815,800	150,000	145,000	62.8	65.0	9,419,000
STATE	1,220,000	940,000	36.4	46.1	45,384,000	1,150,000	980,000	43.5	51.0	49,980,000

1/ Totals may not add due to rounding.

OATS: Acreage, Yield and Production by Counties, North Dakota, 1985 (Preliminary)

District and County	Acres Planted	Acres Harvested	Yield/Acre Pltd.	Yield/Acre Harv.	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)
Burke	14,000	11,000	35.8	45.5	501,000
Divide	13,000	6,700	10.3	20.0	134,000
Mountrail	20,000	11,300	26.9	47.5	537,000
Renville	21,000	18,400	64.8	74.0	1,361,000
Ward	46,000	43,000	62.1	66.4	2,857,000
Williams	21,000	11,600	10.5	19.0	220,000
Northwest	135,000	102,000	41.6	55.0	5,610,000
Benson	17,000	12,700	37.4	50.0	635,000
Bottineau	19,000	17,900	62.6	66.5	1,190,000
McHenry	43,000	36,500	50.7	59.8	2,181,000
Pierce	20,000	16,400	35.3	43.0	705,000
Rolette	6,000	4,500	43.5	58.0	261,000
North Central	105,000	88,000	47.4	56.5	4,972,000
Cavalier	3,500	3,000	60.0	70.0	210,000
Grand Forks	7,000	6,700	63.1	66.0	442,000
Nelson	11,500	11,200	52.7	54.1	606,000
Pembina	4,000	3,700	61.0	65.9	244,000
Ramsey	4,500	3,900	60.7	70.0	273,000
Towner	2,500	1,800	34.0	47.2	85,000
Walsh	7,000	5,700	48.0	58.9	336,000
Northeast	40,000	36,000	54.9	61.0	2,196,000
Dunn	48,000	19,000	17.8	45.0	855,000
McKenzie	25,000	7,000	8.0	28.6	200,000
McLean	45,000	41,000	53.4	58.6	2,404,000
Mercer	39,000	25,000	42.9	67.0	1,675,000
Oliver	23,000	18,000	44.6	57.0	1,026,000
West Central	180,000	110,000	34.2	56.0	6,160,000
Eddy	17,500	16,000	42.5	46.5	744,000
Foster	10,000	9,200	50.6	55.0	506,000
Kidder	36,000	25,200	26.6	38.0	958,000
Sheridan	20,000	17,600	46.2	52.5	924,000
Stutsman	31,000	24,000	39.4	50.8	1,220,000
Wells	15,500	13,000	47.8	57.0	741,000
Central	130,000	105,000	39.2	48.5	5,093,000
Barnes	15,000	11,000	42.5	58.0	638,000
Cass	8,000	7,800	79.9	81.9	639,000
Griggs	11,000	10,200	54.7	59.0	602,000
Steele	3,500	3,500	71.4	71.4	250,000
Traill	2,500	2,500	72.4	72.4	181,000
East Central	40,000	35,000	57.8	66.0	2,310,000
Adams	25,000	17,500	29.8	42.5	744,000
Billings	16,000	2,600	4.1	25.0	65,000
Bowman	20,000	5,300	10.6	40.0	212,000
Golden Valley	15,000	7,500	14.7	29.5	221,000
Hettinger	25,000	19,500	37.4	48.0	936,000
Slope	12,000	4,800	17.3	43.1	207,000
Stark	52,000	33,800	32.9	50.6	1,710,000
Southwest	165,000	91,000	24.8	45.0	4,095,000
Burleigh	45,000	32,400	34.0	47.2	1,528,000
Emmons	60,000	33,700	23.3	41.5	1,399,000
Grant	40,000	28,400	35.5	50.0	1,420,000
Morton	60,000	34,300	29.0	50.8	1,741,000
Sioux	15,000	5,200	14.0	40.4	210,000
South Central	220,000	134,000	28.6	47.0	6,298,000
Dickey	22,000	20,600	51.0	54.5	1,123,000
LaMoure	25,000	22,400	46.6	52.0	1,165,000
Logan	20,000	15,500	36.8	47.5	736,000
McIntosh	40,000	30,500	31.3	41.0	1,251,000
Ransom	18,000	15,900	60.5	68.5	1,089,000
Richland	20,000	19,600	76.9	78.4	1,537,000
Sargent	15,000	14,500	59.0	61.0	885,000
Southeast	160,000	139,000	48.7	56.0	7,786,000
STATE	1,175,000	840,000	37.9	53.0	44,520,000

OATS, 1985 - Production by Counties,
(Rank of First Ten Counties Shown)



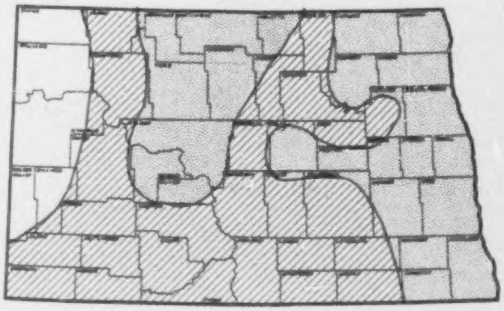
☐ Under 500,000 bu.

▨ 500,000-799,999 bu.

░ 800,000-1,299,999 bu.

▩ 1,300,000 bu. & over

OATS, 1985 - Yield per Harvested Acre
(Bushels)

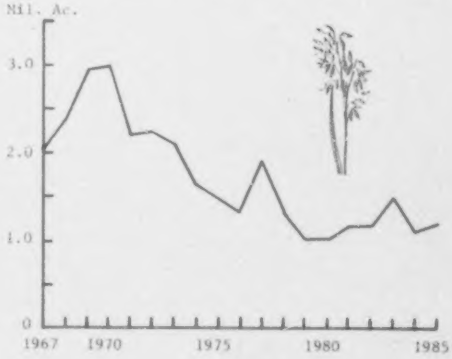


☐ Under 40.0 bu.

▨ 40.0 - 54.9 bu.

░ 55.0 bu. & over

OATS PLANTED ACRES
North Dakota, 1967-85



SUNFLOWER, ALL: Acreage, Yield and Production by Counties, North Dakota, 1980-84 Average and 1984 (Revised)

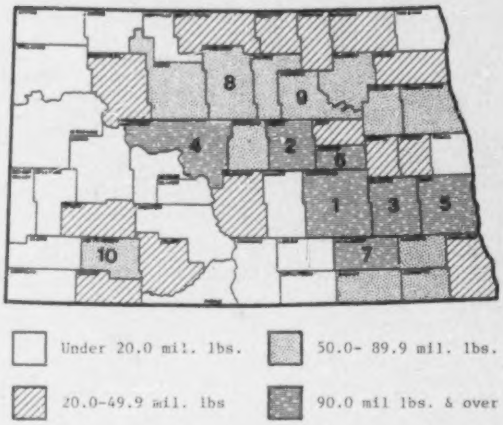
District and County	5-Year Average, 1980-84 1/					1984				
	Acres Planted	Acres Harvested	Yield/Acre		Production	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.				Pltd.	Harv.	
	(Acres)	(Acres)	(Lbs.)	(Lbs.)	(000 Lbs.)	(Acres)	(Acres)	(Lbs.)	(Lbs.)	(000 Lbs.)
Burke	21,200	20,600	760	800	15,680	30,500	29,500	550	560	16,640
Divide	22,600	21,700	800	820	16,929	26,500	23,500	330	370	8,800
Mountrail	28,300	27,400	960	990	25,834	55,000	53,000	730	750	39,890
Renville	30,000	29,400	1010	1030	29,985	34,000	32,500	770	800	26,010
Ward	93,800	93,100	1040	1050	97,297	110,000	109,000	970	980	107,150
Williams	14,600	13,900	730	780	10,136	24,000	22,500	490	520	11,710
Northwest	210,500	206,000	950	970	195,860	280,000	270,000	750	780	210,200
Benson	106,400	104,500	1020	1050	109,622	110,000	109,000	940	950	103,090
Bottineau	91,200	89,500	900	920	83,665	80,000	79,000	660	670	53,150
McHenry	77,400	76,200	1040	1060	80,651	105,000	103,000	860	880	90,500
Pierce	62,900	62,300	1030	1040	65,700	77,000	77,000	890	890	68,660
Rolette	37,100	36,300	990	1020	37,028	48,000	47,000	850	870	40,880
North Central	375,000	368,900	990	1010	376,666	420,000	415,000	850	860	356,280
Cavalier	47,000	44,700	1040	1090	48,239	50,000	48,500	1170	1200	58,300
Grand Forks	90,400	88,700	1060	1080	94,465	78,000	77,500	1100	1110	86,020
Nelson	76,600	75,200	1070	1090	82,365	89,000	88,500	1050	1060	93,890
Pembina	36,100	34,500	1080	1110	37,186	20,000	20,000	1220	1220	24,480
Ramsey	92,500	90,700	1060	1090	98,729	95,000	93,500	1040	1060	99,260
Towner	47,100	45,700	1060	1090	49,648	51,000	49,500	960	990	48,920
Walsh	51,900	50,100	1060	1090	54,033	52,000	51,500	1140	1150	59,060
Northeast	441,600	429,600	1060	1090	464,665	435,000	429,000	1080	1100	469,930
Dunn	5,600	5,300	880	910	5,125	10,000	9,600	960	1000	9,620
McKenzie	3,800	3,600	830	880	3,189	4,000	3,400	380	440	1,500
McLean	84,500	83,000	1150	1170	93,122	140,000	139,000	980	980	136,860
Mercer	7,100	7,000	980	1000	7,058	12,000	12,000	1010	1010	12,090
Oliver	4,800	4,700	1000	1030	4,622	9,000	9,000	800	800	7,170
West Central	105,700	103,600	1090	1130	113,116	175,000	173,000	960	970	167,240
Eddy	58,100	57,700	1130	1140	65,348	61,000	61,000	940	940	57,480
Foster	85,900	81,800	1100	1160	95,858	91,000	90,500	1140	1150	103,800
Kidder	20,100	19,900	900	910	18,353	24,000	24,000	910	910	21,770
Sheridan	48,600	47,900	1010	1030	49,995	69,000	69,000	960	960	66,170
Stutsman	208,400	204,100	1030	1050	218,239	200,000	199,000	970	970	193,400
Wells	153,700	147,600	1040	1100	164,352	160,000	159,500	960	970	154,080
Central	574,800	558,900	1050	1080	612,146	605,000	603,000	990	990	596,700
Barnes	150,400	147,600	1100	1120	167,636	135,000	135,000	1050	1050	142,110
Cass	109,600	108,000	1200	1210	128,844	69,000	68,600	1280	1290	88,460
Griggs	56,200	54,200	1080	1110	60,749	52,000	51,600	1120	1130	58,110
Steele	52,200	51,700	1190	1200	62,151	37,000	37,000	1180	1180	43,740
Traill	32,900	32,600	1190	1200	37,931	7,000	6,800	1230	1260	8,580
East Central	401,300	394,100	1140	1150	457,311	300,000	299,000	1140	1140	341,000
Adams	17,700	17,200	890	930	16,585	30,000	30,000	950	950	28,490
Billings	2,600	2,600	840	840	2,171	2,000	2,000	770	770	1,530
Bowman	6,900	6,800	800	810	5,530	12,000	12,000	760	760	9,060
Golden Valley	2,800	2,800	890	900	2,592	3,000	3,000	650	650	1,960
Hettinger	60,400	58,500	940	960	58,534	79,000	78,000	1090	1110	86,470
Slope	6,500	6,300	870	890	5,785	10,000	10,000	1000	1000	10,000
Stark	11,000	10,900	900	910	10,069	24,000	24,000	950	950	22,790
Southwest	107,900	105,100	910	930	101,265	160,000	159,000	1000	1010	160,300
Burleigh	30,500	29,300	830	860	26,146	42,000	40,000	710	750	29,820
Emmons	14,500	14,200	830	850	12,429	16,500	16,000	950	980	15,670
Grant	26,800	26,400	880	890	23,771	35,000	34,500	880	890	30,710
Morton	19,000	18,400	810	840	15,763	27,500	27,000	750	770	20,740
Sioux	3,100	3,000	780	810	2,326	4,000	3,500	840	960	3,360
South Central	94,000	91,300	840	860	80,436	125,000	121,000	800	830	100,300
Dickey	88,600	87,300	980	1000	87,702	70,000	69,500	900	910	63,280
LaMoure	111,400	110,300	1070	1080	119,799	105,000	105,000	1040	1040	109,390
Logan	16,700	16,600	880	890	14,652	19,000	19,000	680	680	12,920
McIntosh	23,700	23,500	900	910	21,388	31,000	31,000	860	860	26,660
Ransom	53,200	52,000	1190	1210	63,852	42,000	41,500	1090	1100	45,630
Richland	70,800	68,200	1110	1140	76,740	33,000	32,500	1150	1170	37,910
Sargent	59,800	59,000	1040	1050	62,214	50,000	49,500	1040	1050	52,110
Southeast	424,200	416,900	1050	1060	446,347	350,000	348,000	990	1000	347,900
STATE	2,735,000	2,674,400	1040	1060	2,847,812	2,850,000	2,817,000	960	976	2,749,850

1/ Totals may not add due to rounding.

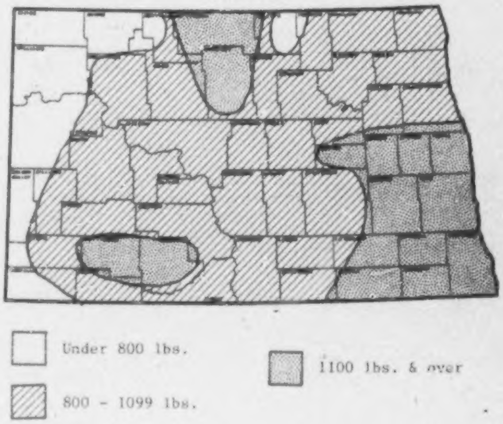
SUNFLOWER, ALL: Acreage, Yield and Production by Counties, North Dakota, 1985 (Preliminary)

District and County	Acres Planted	Acres Harvested	Yield/Acre Pltd.	Yield/Acre Harv.	Production
	(Acres)	(Acres)	(Lbs.)	(Lbs.)	(000 Lbs.)
Burke	21,900	13,300	450	740	9,890
Divide	13,200	5,700	210	480	2,750
Mountrail	42,900	34,800	700	870	30,170
Renville	19,500	16,000	480	590	9,440
Ward	88,000	58,700	610	920	53,840
Williams	10,000	7,500	320	420	3,150
Northwest	195,500	136,000	560	800	109,240
Benson	81,000	78,500	1040	1070	83,930
Bottineau	44,500	27,900	710	1140	31,750
McHenry	79,500	75,700	1090	1150	86,910
Pierce	53,500	51,900	950	980	51,030
Rolette	30,500	26,500	670	770	20,470
North Central	289,000	260,500	950	1050	274,090
Cavalier	36,500	30,400	790	950	28,930
Grand Forks	64,500	61,600	820	860	52,770
Nelson	68,500	65,100	1030	1080	70,550
Pembina	12,500	10,500	720	860	9,060
Ramsey	74,000	66,700	890	990	65,790
Towner	36,000	31,300	760	880	27,450
Walsh	42,000	40,400	890	920	37,170
Northeast	334,000	306,000	870	950	291,720
Dunn	9,500	9,500	1000	1000	9,500
McKenzie	2,000	2,000	700	700	1,400
McLean	121,500	114,000	1010	1080	122,900
Mercer	9,500	7,500	770	970	7,290
Oliver	12,000	12,000	1010	1010	12,120
West Central	154,500	145,000	990	1060	153,210
Eddy	52,000	49,300	860	910	44,780
Foster	84,000	83,100	1160	1170	97,580
Kidder	13,000	12,900	910	910	11,790
Sheridan	65,000	61,200	1010	1070	65,760
Stutsman	142,000	140,500	1060	1070	150,290
Wells	128,000	124,500	1060	1090	136,110
Central	484,000	471,500	1050	1070	506,310
Barnes	100,500	95,900	1230	1290	123,300
Cass	68,000	66,500	1460	1500	99,570
Griggs	37,500	36,200	1150	1200	43,290
Steele	27,500	26,900	1260	1290	34,730
Traill	12,000	10,500	1290	1480	15,520
East Central	245,500	236,000	1290	1340	316,410
Adams	25,000	23,000	810	880	20,240
Billings	1,000	1,000	810	810	810
Bowman	6,200	6,200	710	710	4,390
Golden Valley	1,000	1,000	550	550	550
Hettinger	62,300	61,300	1210	1230	75,390
Slope	10,000	9,500	870	910	8,650
Stark	25,000	24,500	860	880	21,560
Southwest	130,500	126,500	1010	1040	131,590
Burleigh	29,500	25,500	820	950	24,240
Emmons	10,000	10,000	930	930	9,300
Grant	24,300	24,300	1130	1130	27,440
Morton	18,000	18,000	1080	1080	19,380
Sioux	4,200	4,200	1000	1000	4,220
South Central	86,000	82,000	980	1030	84,580
Dickey	48,000	47,900	1220	1220	58,360
LaMoure	81,600	78,400	1140	1190	93,180
Logan	11,500	11,500	900	900	10,370
McIntosh	16,600	16,600	870	870	14,480
Ransom	40,700	39,600	1540	1590	62,770
Richland	29,000	29,000	1570	1570	45,490
Sargent	43,600	43,500	1610	1610	70,000
Southeast	271,000	266,500	1310	1330	354,650
STATE	2,190,000	2,030,000	1010	1094	2,221,800

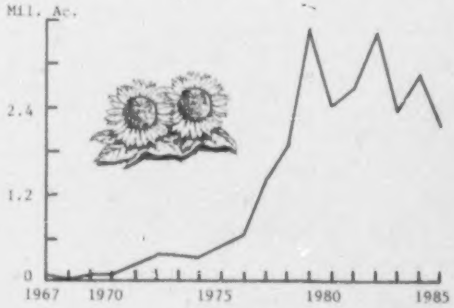
ALL SUNFLOWER, 1985 - Production by Counties
(Rank of First Ten Counties Shown)



ALL SUNFLOWER, 1985 - Yield per Harvested Acre
(Pounds)



ALL SUNFLOWER PLANTED ACRES
North Dakota, 1967-85



SUNFLOWER, OIL AND NON-OIL: Acreage, Yield and Production by Counties, North Dakota, 1984 (Preliminary)

District and County	Oil					Non-Oil				
	Acres Planted	Acres Harvested	Yield/Acre		Production	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.				Pltd.	Harv.	
	(Acres)	(Acres)	(Lbs.)	(Lbs.)	(000 Lbs.)	(Acres)	(Acres)	(Lbs.)	(Lbs.)	(000 Lbs.)
Burke	27,500	26,500	550	570	15,110	3,000	3,000	510	510	1,530
Divide	25,500	22,500	330	370	8,330	1,000	1,000	470	470	470
Mountrail	54,300	52,300	720	750	39,250	700	700	910	910	640
Renville	34,000	32,500	770	800	26,010	---	---	---	---	---
Ward	108,700	107,700	970	980	105,590	1,300	1,300	1200	1200	1,560
Williams	24,000	22,500	490	520	11,710	---	---	---	---	---
Northwest	274,000	264,000	750	780	206,000	6,000	6,000	700	700	4,200
Benson	92,500	92,000	930	940	86,460	17,500	17,000	950	980	16,630
Bottineau	74,000	73,000	660	670	48,890	6,000	6,000	710	710	4,260
McHenry	101,000	99,000	850	870	86,100	4,000	4,000	1100	1100	4,400
Pierce	73,500	73,500	880	880	64,670	3,500	3,500	1140	1140	3,990
Rolette	48,000	47,000	850	870	40,880	---	---	---	---	---
North Central	389,000	384,500	840	850	327,000	31,000	30,500	940	960	29,280
Cavalier	45,000	43,500	1160	1200	52,200	5,000	5,000	1220	1220	6,100
Grand Forks	74,500	74,000	1090	1100	81,400	3,500	3,500	1320	1320	4,620
Nelson	78,500	78,000	1050	1060	82,660	10,500	10,500	1070	1070	11,230
Pembina	19,500	19,500	1230	1230	23,980	500	500	1000	1000	500
Ramsey	79,000	78,000	1040	1050	81,900	16,000	15,500	1090	1120	17,360
Towner	44,000	42,500	940	970	41,220	7,000	7,000	1100	1100	7,700
Walsh	49,500	49,000	1130	1140	55,840	2,500	2,500	1290	1290	3,220
Northeast	390,000	384,500	1070	1090	419,200	45,000	44,500	1130	1140	50,730
Dunn	9,700	9,300	950	990	9,200	300	300	1400	1400	420
McKenzie	4,000	3,400	380	440	1,500	---	---	---	---	---
McLean	136,500	135,500	970	980	132,730	3,500	3,500	1180	1180	4,130
Mercer	10,500	10,500	1000	1000	10,500	1,500	1,500	1060	1060	1,590
Oliver	8,300	8,300	780	780	6,470	700	700	1000	1000	700
West Central	169,000	167,000	950	960	160,400	6,000	6,000	1140	1140	6,840
Eddy	43,000	43,000	880	880	37,860	18,000	18,000	1090	1090	19,620
Foster	72,000	72,000	1130	1130	81,230	19,000	18,500	1190	1220	22,570
Kidder	22,000	22,000	880	880	19,370	2,000	2,000	1200	1200	2,400
Sheridan	64,000	64,000	950	950	60,820	5,000	5,000	1070	1070	5,350
Stutsman	173,000	173,000	960	960	166,100	27,000	26,000	1010	1050	27,300
Wells	139,000	139,000	950	950	132,320	21,000	20,500	1040	1060	21,760
Central	513,000	513,000	970	970	497,700	92,000	90,000	1080	1100	99,000
Barnes	131,500	131,500	1050	1050	138,050	3,500	3,500	1160	1160	4,060
Cass	68,800	68,400	1280	1290	88,220	200	200	1200	1200	240
Griggs	50,500	50,100	1120	1130	56,610	1,500	1,500	1000	1000	1,500
Steele	35,000	35,000	1180	1180	41,300	2,000	2,000	1220	1220	2,440
Traill	6,200	6,000	1230	1270	7,620	800	800	1200	1200	960
East Central	292,000	291,000	1140	1140	331,800	8,000	8,000	1150	1150	9,200
Adams	30,000	30,000	950	950	28,490	---	---	---	---	---
Billings	1,700	1,700	750	750	1,270	300	300	870	870	260
Bowman	11,600	11,600	750	750	8,700	400	400	900	900	360
Golden Valley	2,100	2,100	590	590	1,240	900	900	800	800	720
Hettinger	78,600	77,600	1100	1110	86,110	400	400	900	900	360
Slope	10,000	10,000	1000	1000	10,000	---	---	---	---	---
Stark	24,000	24,000	950	950	22,790	---	---	---	---	---
Southwest	158,000	157,000	1000	1010	158,600	2,000	2,000	850	850	1,700
Burleigh	40,500	38,500	710	750	28,860	1,500	1,500	640	640	960
Emmons	16,500	16,000	950	980	15,670	---	---	---	---	---
Grant	29,000	28,500	900	920	26,210	6,000	6,000	750	750	4,500
Morton	25,000	24,500	760	780	19,100	2,500	2,500	660	660	1,640
Sioux	4,000	3,500	840	960	3,360	---	---	---	---	---
South Central	115,000	111,000	810	840	93,200	10,000	10,000	710	710	7,100
Dickey	67,000	66,500	900	910	60,520	3,000	3,000	920	920	2,760
LaMoure	101,000	101,000	1040	1040	105,050	4,000	4,000	1090	1090	4,340
Logan	19,000	19,000	680	680	12,920	---	---	---	---	---
McIntosh	31,000	31,000	860	860	26,660	---	---	---	---	---
Ransom	38,000	37,500	1100	1110	41,630	4,000	4,000	1000	1000	4,000
Richland	31,500	31,000	1140	1160	35,960	1,500	1,500	1300	1300	1,950
Sargent	42,500	42,000	1070	1080	45,360	7,500	7,500	900	900	6,750
Southeast	330,000	328,000	990	1000	328,100	20,000	20,000	990	990	19,800
STATE	2,630,000	2,600,000	960	970	2,522,000	220,000	217,000	1040	1050	227,850

SUNFLOWER, OIL AND NON-OIL: Acreage, Yield and Production by Counties, North Dakota, 1985 (Preliminary)

District and County	Oil					Non-Oil				
	Acres Planted	Acres Harvested	Yield/Acre		Production	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.				Pltd.	Harv.	
	(Acres)	(Acres)	(Lbs.)	(Lbs.)	(000 Lbs.)	(Acres)	(Acres)	(Lbs.)	(Lbs.)	(000 Lbs.)
Burke	21,000	12,500	430	730	9,130	900	800	840	950	760
Divide	13,000	5,500	200	470	2,580	200	200	850	850	170
Mountrail	42,000	34,000	700	860	29,240	900	800	1030	1160	930
Renville	19,000	15,500	470	580	8,990	500	500	900	900	450
Ward	85,000	56,000	590	900	50,400	3,000	2,700	1150	1270	3,440
Williams	10,000	7,500	320	420	3,150	---	---	---	---	---
Northwest	190,000	131,000	540	790	103,490	5,500	5,000	1050	1150	5,750
Benson	65,000	63,000	990	1020	64,260	16,000	15,500	1230	1270	19,670
Bottineau	40,000	23,500	660	1130	26,560	4,500	4,400	1150	1180	5,190
McHenry	75,000	72,000	1090	1140	82,100	4,500	3,700	1070	1300	4,810
Pierce	50,000	48,500	940	970	47,050	3,500	3,400	1140	1170	3,980
Rolette	30,000	26,000	670	770	20,020	500	500	900	900	450
North Central	260,000	233,000	920	1030	239,990	29,000	27,500	1180	1240	34,100
Cavalier	28,000	23,000	780	950	21,850	8,500	7,400	830	960	7,080
Grand Forks	60,000	57,500	810	850	48,870	4,500	4,100	870	950	3,900
Nelson	54,000	51,000	990	1050	53,550	14,500	14,100	1170	1210	17,000
Pembina	12,000	10,000	720	860	8,600	500	500	920	920	460
Ramsey	55,000	48,500	840	950	46,070	19,000	18,200	1040	1080	19,720
Towner	31,000	26,500	740	860	22,790	5,000	4,800	930	970	4,660
Walsh	40,000	38,500	890	920	35,420	2,000	1,900	880	920	1,750
Northeast	280,000	255,000	850	930	237,150	54,000	51,000	1010	1070	54,570
Dunn	9,000	9,000	1000	1000	9,000	500	500	1000	1000	500
McKenzie	2,000	2,000	700	700	1,400	---	---	---	---	---
McLean	118,000	111,000	1010	1070	118,740	3,500	3,000	1190	1390	4,160
Mercer	9,000	7,000	750	970	6,790	500	500	1000	1000	500
Oliver	12,000	12,000	1010	1010	12,120	---	---	---	---	---
West Central	150,000	141,000	990	1050	148,050	4,500	4,000	1150	1290	5,160
Eddy	35,000	33,000	800	850	28,050	17,000	16,300	980	1030	16,730
Foster	60,000	60,000	1110	1110	66,600	24,000	23,100	1290	1340	30,980
Kidder	12,000	12,000	900	900	10,800	1,000	900	990	1100	990
Sheridan	60,000	57,000	1020	1070	60,990	5,000	4,200	950	1140	4,770
Stutsman	125,000	124,000	1030	1040	129,000	17,000	16,500	1250	1290	21,290
Wells	108,000	105,000	1030	1060	111,300	20,000	19,500	1240	1270	24,810
Central	400,000	391,000	1020	1040	406,740	84,000	80,500	1190	1240	99,570
Barnes	95,000	90,500	1230	1290	116,760	5,500	5,400	1190	1210	6,540
Cass	65,000	63,500	1470	1500	95,250	3,000	3,000	1440	1440	4,320
Griggs	35,000	34,000	1150	1180	40,120	2,500	2,200	1270	1440	3,170
Steele	25,000	24,500	1270	1300	31,850	2,500	2,400	1150	1200	2,880
Traill	10,000	8,500	1220	1430	12,160	2,000	2,000	1680	1680	3,360
East Central	230,000	221,000	1290	1340	296,140	15,500	15,000	1310	1350	20,270
Adams	25,000	23,000	810	880	20,240	---	---	---	---	---
Billings	1,000	1,000	810	810	810	---	---	---	---	---
Bowman	6,000	6,000	700	700	4,200	200	200	950	950	190
Golden Valley	1,000	1,000	550	550	550	---	---	---	---	---
Hettinger	62,000	61,000	1210	1230	75,030	300	300	1200	1200	360
Slope	10,000	9,500	870	910	8,650	---	---	---	---	---
Stark	25,000	24,500	860	880	21,560	---	---	---	---	---
Southwest	130,000	126,000	1010	1040	131,040	500	500	1100	1100	550
Burleigh	29,000	25,000	820	950	23,730	500	500	1020	1020	510
Emmons	10,000	10,000	930	930	9,300	---	---	---	---	---
Grant	20,000	20,000	1130	1130	22,600	4,300	4,300	1130	1130	4,840
Morton	17,000	17,000	1090	1090	18,530	1,000	1,000	850	850	850
Sioux	4,000	4,000	1030	1030	4,120	200	200	500	500	100
South Central	80,000	76,000	980	1030	78,280	6,000	6,000	1050	1050	6,300
Dickey	45,000	45,000	1210	1210	54,450	3,000	2,900	1300	1350	3,910
LaMoure	75,000	72,000	1120	1170	84,240	6,600	6,400	1350	1400	8,940
Logan	11,000	11,000	890	890	9,790	500	500	1160	1160	580
McIntosh	16,000	16,000	860	860	13,760	600	600	1200	1200	720
Ransom	36,000	35,000	1530	1570	54,950	4,700	4,600	1660	1700	7,820
Richland	28,000	28,000	1570	1570	43,960	1,000	1,000	1530	1530	1,530
Sargent	39,000	39,000	1630	1630	63,570	4,600	4,500	1400	1430	6,430
Southeast	250,000	246,000	1300	1320	324,720	21,000	20,500	1430	1460	29,930
STATE	1,970,000	1,820,000	1000	1080	1,965,600	220,000	210,000	1160	1220	256,200

FLAXSEED: Acreage, Yield and Production by Counties, North Dakota, 1980-84 Average and 1984 (Revised)

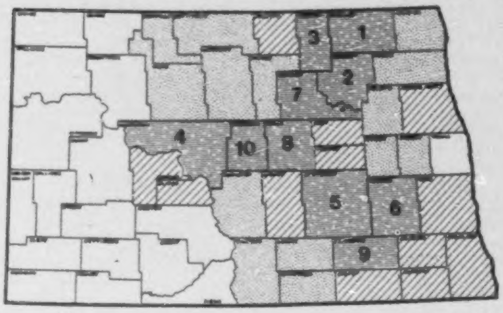
District and County	5-Year Average, 1980-84 1/					1984				
	Acres Planted	Acres Harvested	Yield/Acre		Production	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.				Pltd.	Harv.	
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)
Burke	2,000	2,000	9.1	9.4	18,800	2,800	2,700	7.3	7.5	20,300
Divide	1,000	800	10.5	11.1	9,300	2,000	1,300	5.2	8.0	10,400
Mountrail	1,600	1,400	9.2	10.0	14,100	2,000	1,400	4.2	6.0	8,400
Renville	6,700	6,200	9.8	10.5	67,400	8,600	8,000	9.3	10.0	80,000
Ward	11,900	11,000	10.3	11.4	128,400	14,000	13,500	8.9	9.2	124,800
Williams	600	500	9.9	11.0	6,100	600	600	6.0	6.0	3,600
Northwest	23,800	21,900	9.9	10.8	244,100	30,000	27,500	8.3	9.0	247,500
Benson	13,500	12,900	11.9	12.7	162,500	17,000	17,000	11.0	11.0	187,000
Bottineau	20,100	18,000	10.3	11.4	206,100	14,500	13,200	9.6	10.5	138,600
McHenry	10,400	9,700	10.0	10.7	104,300	12,000	10,800	7.7	8.5	91,800
Pierce	13,800	13,500	11.4	11.8	160,900	16,500	16,500	10.8	10.8	178,900
Rolette	4,200	4,100	12.2	13.1	52,900	5,000	5,000	12.0	12.0	60,000
North Central	62,000	58,100	11.0	11.8	686,800	65,000	62,500	10.1	10.5	656,300
Cavalier	17,500	17,000	17.5	18.3	308,400	20,500	20,500	20.5	20.5	420,300
Grand Forks	4,600	4,100	11.5	12.9	53,100	3,000	3,000	14.0	14.0	42,000
Nelson	11,100	10,400	12.2	13.0	134,000	8,500	8,500	12.5	12.5	106,300
Pembina	3,100	2,700	13.9	15.6	43,600	3,000	3,000	22.5	22.5	67,500
Ramsey	16,400	15,400	13.8	14.7	230,200	18,500	18,000	16.1	16.5	297,000
Towner	13,000	12,100	13.6	15.2	183,900	20,500	20,000	14.3	14.7	293,000
Walsh	8,100	7,600	13.8	14.4	107,300	6,000	6,000	16.0	16.0	96,000
Northeast	73,900	69,200	14.2	15.3	1,060,600	80,000	79,000	16.5	16.7	1,322,100
Dunn	500	500	7.9	9.6	5,200	300	200	5.3	8.0	1,600
McKenzie	200	100	9.8	11.7	1,700	---	---	---	---	---
McLean	17,400	16,400	10.4	11.3	182,700	24,000	23,000	8.9	9.3	213,900
Mercer	2,600	2,600	8.9	9.1	23,700	4,500	4,500	7.5	7.5	33,800
Oliver	3,700	3,400	9.8	10.8	36,600	6,200	5,800	8.4	9.0	52,200
West Central	24,400	23,000	10.1	10.9	249,800	35,000	33,500	8.6	9.0	301,500
Eddy	4,800	4,700	10.4	10.6	50,600	4,200	4,200	8.5	8.5	35,700
Foster	4,500	4,100	12.2	13.4	54,600	4,800	4,700	12.7	13.0	61,100
Kidder	9,300	8,600	9.7	10.4	94,400	10,000	9,800	10.3	10.5	102,900
Sheridan	9,800	9,500	10.8	11.2	108,200	12,500	12,500	10.0	10.0	125,000
Stutsman	18,800	17,700	11.7	12.5	224,300	22,000	21,800	12.8	13.0	282,600
Wells	10,300	9,600	12.1	13.2	128,500	11,500	11,500	14.5	14.5	166,700
Central	57,500	54,300	11.2	12.0	660,500	65,000	64,500	11.9	12.0	774,000
Barnes	14,200	13,900	13.7	14.0	195,900	14,000	14,000	18.8	18.8	263,800
Cass	6,200	6,100	15.5	15.9	95,900	3,200	3,200	18.5	18.5	59,200
Griggs	5,400	5,300	11.4	11.5	62,500	3,600	3,600	10.5	10.5	37,800
Steele	4,200	4,100	13.4	13.7	55,500	3,500	3,500	17.5	17.5	61,300
Traill	1,800	1,800	14.4	14.6	22,400	700	700	22.0	22.0	15,400
East Central	31,900	31,200	13.7	14.0	432,200	25,000	25,000	17.5	17.5	437,500
Adams	1,100	1,000	8.5	9.1	10,500	1,200	1,100	9.7	10.5	11,600
Billings	400	300	6.5	7.0	1,700	400	400	5.0	5.0	2,000
Bowman	800	800	8.1	8.5	7,700	700	600	5.1	6.0	3,600
Golden Valley	100	100	6.0	6.0	500	200	200	5.0	5.0	1,000
Hettinger	2,100	1,900	8.8	9.7	20,200	1,700	1,500	8.0	9.1	13,600
Slope	500	500	9.7	10.3	5,400	300	300	8.0	8.0	2,400
Stark	1,200	1,200	9.3	10.0	11,800	1,500	1,400	8.4	9.0	12,600
Southwest	6,200	5,700	8.3	9.1	57,900	6,000	5,500	7.8	8.5	46,800
Burleigh	11,500	10,600	9.3	10.3	109,600	15,000	14,800	8.9	9.0	133,200
Emmons	14,400	13,100	8.2	8.7	121,700	14,500	14,500	12.7	12.7	183,900
Grant	1,300	1,200	8.0	8.6	12,100	900	800	7.6	8.5	6,800
Morton	1,700	1,600	9.7	10.5	18,300	2,800	2,700	8.2	8.5	23,000
Sioux	600	600	6.3	7.4	4,500	800	700	6.1	7.0	4,900
South Central	29,500	27,100	8.6	9.3	266,100	34,000	33,500	10.3	10.5	351,800
Dickey	8,000	7,500	9.7	10.3	73,500	5,200	4,900	12.3	13.0	63,700
LaMoure	19,100	18,600	12.9	13.3	247,100	17,000	17,000	14.4	14.4	244,800
Logan	12,900	11,900	9.4	9.9	117,600	12,500	12,200	11.7	12.0	146,400
McIntosh	26,500	24,400	8.2	8.5	199,000	19,000	19,000	10.5	10.5	199,500
Ransom	3,500	3,400	11.7	12.2	39,000	2,500	2,400	13.9	14.5	34,800
Richland	2,600	2,600	11.3	11.5	30,100	1,500	1,400	11.2	12.0	16,800
Sargent	4,200	4,100	11.4	11.7	45,400	2,300	2,100	13.7	15.0	31,500
Southeast	76,800	72,400	10.2	10.6	751,800	60,000	59,000	12.3	12.5	737,500
STATE	386,000	363,000	11.3	12.0	4,409,600	400,000	390,000	12.2	12.5	4,875,000

1/ Totals may not add due to rounding.

FLAXSEED: Acreage, Yield and Production by Counties, North Dakota, 1985 (Preliminary)

District and County	Acres Planted	Acres Harvested	Yield/Acre Pltd.	Yield/Acre Harv.	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)
Burke	1,700	1,500	10.8	12.2	18,300
Divide	1,500	900	7.5	12.4	11,200
Mountrail	2,000	1,700	9.8	11.5	19,600
Renville	7,100	7,000	17.1	17.3	121,100
Ward	13,500	13,500	16.4	16.4	221,400
Williams	1,200	1,200	6.9	6.9	8,300
Northwest	27,000	25,800	14.8	15.5	399,900
Benson	19,500	18,600	12.4	13.0	241,800
Bottineau	15,000	14,000	12.1	13.0	182,100
McHenry	11,000	10,600	13.5	14.0	148,400
Pierce	17,500	17,000	10.3	10.6	181,000
Rolette	4,000	3,800	11.7	12.3	46,700
North Central	67,000	64,000	11.9	12.5	800,000
Cavalier	25,000	24,500	21.1	21.5	526,800
Grand Forks	4,000	4,000	18.0	18.0	72,000
Nelson	13,000	12,500	13.1	13.6	170,000
Pembina	5,000	4,900	24.0	24.5	120,000
Ramsey	26,500	25,500	16.2	16.8	428,800
Towner	21,000	20,500	16.6	17.0	348,500
Walsh	8,500	8,100	16.2	17.0	137,700
Northeast	103,000	100,000	17.5	18.0	1,803,800
Dunn	500	500	9.0	9.0	4,500
McKenzie	---	---	---	---	---
McLean	24,000	24,000	13.6	13.6	325,700
Mercer	2,500	2,400	12.3	12.8	30,700
Oliver	4,500	4,500	10.5	10.5	47,300
West Central	31,500	31,400	13.0	13.0	408,200
Eddy	5,800	5,700	10.4	10.6	60,400
Foster	6,200	6,100	11.2	11.4	69,500
Kidder	8,500	8,000	8.5	9.0	72,000
Sheridan	15,000	14,700	15.2	15.5	227,900
Stutsman	33,000	32,500	9.7	9.8	319,000
Wells	20,500	20,000	11.5	11.8	236,000
Central	89,000	87,000	11.1	11.3	984,800
Barnes	20,000	19,500	13.8	14.2	276,700
Cass	5,500	5,500	14.0	14.0	77,000
Griggs	6,600	6,600	18.8	18.8	124,100
Steele	7,900	7,900	18.5	18.5	146,200
Traill	1,000	1,000	24.0	24.0	24,000
East Central	41,000	40,500	15.8	16.0	648,000
Adams	400	400	10.0	10.0	4,000
Billings	300	300	10.0	10.0	3,000
Bowman	400	400	8.0	8.0	3,200
Golden Valley	---	---	---	---	---
Hettinger	1,200	1,100	10.4	11.4	12,500
Slope	400	400	10.0	10.0	4,000
Stark	800	700	8.3	9.4	6,600
Southwest	3,500	3,300	9.5	10.1	33,300
Burleigh	14,500	14,000	9.9	10.2	142,900
Emmons	13,500	13,200	10.1	10.3	136,000
Grant	900	800	6.2	7.0	5,600
Morton	2,600	2,500	8.7	9.0	22,500
Sioux	500	500	6.0	6.0	3,000
South Central	32,000	31,000	9.7	10.0	310,000
Dickey	7,500	7,300	10.7	11.0	80,300
LaMoure	23,500	22,000	9.7	10.4	228,800
Logan	11,500	11,000	8.7	9.1	100,100
McIntosh	16,500	15,000	6.1	6.7	100,200
Ransom	2,800	2,600	13.0	14.0	36,400
Richland	1,800	1,800	19.5	19.5	35,100
Sargent	2,400	2,300	16.3	17.0	39,100
Southeast	66,000	62,000	9.4	10.0	620,000
STATE	460,000	445,000	13.1	13.5	6,008,000

FLAXSEED, 1985 - Production by Counties, (Rank of First Ten Counties Shown)



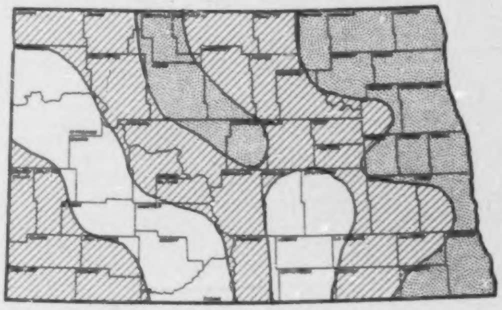
☐ Under 30,000 bu.

▨ 30,000-99,999 bu.

▒ 100,000-224,999 bu.

▓ 225,000 bu. & over

FLAXSEED, 1985 - Yield per Harvested Acre (Bushels)

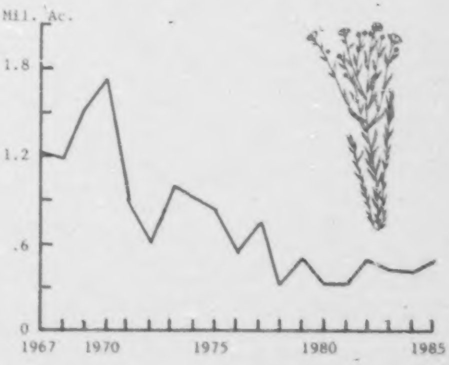


☐ Under 10.0 bu.

▨ 10.0-14.9 bu.

▒ 15.0 bu. & over

FLAXSEED PLANTED ACRES
North Dakota, 1967-85



CORN: Total Acreage Planted and Harvested; Acreage, Yield and Production for Grain and Silage and Acreage Used for Forage by Counties, North Dakota, 1984 (Preliminary) 1/

District and County	All Corn		Corn for Grain			Corn for Silage			Corn for Forage
	Planted	Harvested	Harvested	Yield per Acre	Production	Harvested	Yield per Acre	Production	
	(Acres)	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Tons)	(Tons)	(Acres)
Burke	900	900	---	---	---	900	5.7	5,100	---
Divide	600	600	---	---	---	600	7.3	4,400	---
Mountrail	2,000	1,900	500	30.0	15,000	1,200	3.6	4,300	200
Renville	1,500	1,400	500	30.0	15,000	900	2.1	1,900	---
Ward	5,100	5,000	1,600	42.7	68,300	3,200	6.1	19,600	200
Williams	900	900	100	29.0	2,900	600	5.5	3,300	200
Northwest	11,000	10,700	2,700	37.5	101,200	7,400	5.2	38,600	600
Benson	14,700	14,600	10,500	50.0	525,300	4,100	5.1	21,100	---
Bottineau	2,200	2,200	1,300	29.5	38,400	900	6.2	5,600	---
McHenry	15,000	15,000	6,400	40.2	257,300	8,100	5.4	43,900	500
Pierce	7,700	7,500	1,900	36.5	69,400	5,300	6.4	34,100	300
Rolette	2,400	2,400	500	32.0	16,000	1,900	5.3	10,100	---
North Central	42,000	41,700	20,600	44.0	906,400	20,300	5.7	114,800	800
Cavalier	700	700	400	47.0	18,800	200	12.5	2,500	100
Grand Forks	23,000	22,900	20,100	60.2	1,209,300	2,600	4.7	12,100	200
Nelson	5,800	5,800	3,100	65.5	203,000	2,600	6.5	17,000	100
Pembina	11,600	11,600	9,200	59.0	542,800	2,400	14.0	33,500	---
Ramsey	3,300	3,300	1,400	44.5	62,300	1,800	5.7	10,200	100
Towner	2,100	2,000	900	35.0	31,500	1,000	9.8	9,800	100
Walsh	9,500	9,500	6,400	53.0	339,300	3,000	5.1	15,400	100
Northeast	56,000	55,800	41,500	58.0	2,407,000	13,600	7.4	100,500	700
Dunn	16,500	16,200	600	44.0	26,400	15,100	4.7	71,400	500
McKenzie	2,700	2,700	200	101.0	20,200	2,500	10.6	26,400	---
McLean	12,000	11,900	5,800	55.5	322,000	5,900	7.6	45,100	200
Mercer	11,000	11,000	200	80.5	16,100	10,100	5.8	58,500	700
Oliver	9,800	9,800	1,000	36.5	36,500	7,900	5.2	41,300	900
West Central	52,000	51,600	7,800	54.0	421,200	41,500	5.8	242,700	2,300
Eddy	9,900	9,800	3,200	57.5	184,000	6,600	5.3	35,100	---
Foster	9,900	9,900	5,200	60.0	312,000	4,500	6.2	27,900	200
Kidder	18,500	17,800	5,700	82.5	470,300	11,500	5.3	61,400	600
Sheridan	5,200	5,200	800	41.0	32,800	4,300	3.7	16,100	100
Stutsman	31,000	30,900	14,100	49.0	690,900	15,800	6.7	105,700	1,000
Wells	22,500	22,400	15,700	39.0	612,000	6,700	5.2	34,600	---
Central	97,000	96,000	44,700	51.5	2,302,000	49,400	5.7	280,800	1,900
Barnes	26,500	26,500	20,900	44.5	930,100	5,600	6.3	35,100	---
Cass	88,000	87,900	83,900	66.9	5,610,400	4,000	8.3	33,000	---
Griggs	6,000	6,000	3,000	58.5	175,400	3,000	10.3	31,000	---
Steele	10,500	10,500	10,000	60.5	605,000	500	6.2	3,100	---
Traill	14,000	14,000	13,200	85.5	1,128,600	800	9.0	7,200	---
East Central	145,000	144,900	131,000	64.5	8,449,500	13,900	7.9	109,400	---
Adams	9,300	9,300	1,800	32.5	58,500	6,100	5.2	31,500	1,400
Billings	1,600	1,500	300	32.0	9,600	700	3.1	2,200	500
Bowman	3,000	2,900	100	36.0	3,600	2,800	5.1	14,400	---
Golden Valley	1,400	1,300	500	64.0	32,000	300	3.0	900	500
Hettinger	12,600	12,600	7,500	42.4	317,700	5,100	4.1	21,100	---
Slope	3,100	3,100	500	42.0	21,000	2,600	4.7	12,100	---
Stark	11,000	11,000	1,800	35.5	63,900	9,200	5.2	48,200	---
Southwest	42,000	41,700	12,500	40.5	506,300	26,800	4.9	130,400	2,400
Burleigh	17,500	17,500	3,200	40.0	128,000	13,100	6.7	88,400	1,200
Emmons	29,000	28,900	5,500	77.2	424,400	23,200	5.7	133,200	200
Grant	27,000	27,000	8,200	45.0	369,000	17,900	4.2	76,000	900
Morton	36,000	35,900	6,100	41.0	250,100	29,300	5.5	161,500	500
Sioux	5,500	5,300	800	38.0	30,400	4,400	5.1	22,300	100
South Central	115,000	114,600	23,800	50.5	1,201,900	87,900	5.5	481,400	2,900
Dickey	57,000	56,900	46,200	62.5	2,887,500	10,200	6.3	64,700	500
LaMoure	39,000	39,000	29,100	51.5	1,498,700	9,900	5.8	57,200	---
Logan	12,500	12,300	2,600	49.5	128,700	9,200	6.0	54,800	500
McIntosh	10,500	10,500	1,400	48.0	67,200	9,000	6.2	55,800	100
Ransom	64,000	64,000	55,200	72.0	3,974,400	8,700	5.6	49,000	100
Richland	178,000	177,500	169,500	81.7	13,850,700	7,800	7.2	56,400	200
Sargent	49,000	48,800	41,400	69.5	2,877,300	7,400	4.9	36,500	---
Southeast	410,000	409,000	345,400	73.2	25,284,500	62,200	6.0	374,400	1,400
STATE	970,000	966,000	630,000	66.0	41,580,000	323,000	5.8	1,873,000	13,000

1/ See page 62 for irrigated acres.

CORN: Total Acreage Planted and Harvested; Acreage, Yield and Production for Grain and Silage and Acreage Used for Forage by Counties, North Dakota, 1985 (Preliminary) 1/

District and County	All Corn		Corn for Grain			Corn for Silage			Corn for Forage
	Planted	Harvested	Harvested	Yield per Acre	Production	Harvested	Yield per Acre	Production	
	(Acres)	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Tons)	(Tons)	(Acres)
Burke	800	800	---	---	---	800	7.5	6,000	---
Divide	700	500	---	---	---	400	5.8	2,300	100
Mountrail	2,000	1,700	---	---	---	1,400	7.1	10,000	300
Renville	2,000	1,900	600	42.0	25,200	1,300	7.2	9,300	---
Ward	5,000	4,300	2,000	45.7	91,400	2,100	6.6	13,900	200
Williams	1,500	1,500	200	68.0	13,600	1,300	5.2	6,700	---
Northwest	12,000	10,700	2,800	46.5	130,200	7,300	6.6	48,200	600
Benson	14,000	12,600	2,400	40.2	96,500	8,900	7.6	67,500	1,300
Bottineau	3,400	3,200	700	29.0	20,300	2,100	7.7	16,100	400
McHenry	17,900	13,900	7,700	56.7	436,800	5,800	6.3	36,800	400
Pierce	8,900	7,600	2,200	40.0	88,000	5,000	5.2	26,200	400
Rolette	2,800	2,700	---	---	---	2,700	5.6	15,100	---
North Central	47,000	40,000	13,000	49.4	641,600	24,500	6.6	161,700	2,500
Cavalier	700	500	---	---	---	300	4.0	1,200	200
Grand Forks	23,300	18,700	16,800	44.7	750,300	1,600	6.4	10,300	300
Nelson	5,000	4,400	1,700	37.5	63,700	2,500	5.0	12,500	200
Pembina	10,300	7,300	5,200	47.5	247,000	2,100	6.6	13,900	---
Ramsey	3,800	2,600	1,200	33.8	40,500	1,300	6.2	8,000	100
Towner	1,400	1,000	300	44.0	13,200	600	4.0	2,400	100
Walsh	8,500	8,200	5,200	47.0	244,400	2,600	8.1	21,000	400
Northeast	53,000	42,700	30,400	44.7	1,359,100	11,000	6.3	69,300	1,300
Dunn	17,600	17,600	---	---	---	16,100	5.0	80,400	1,500
McKenzie	4,300	4,200	400	67.0	26,800	3,600	8.8	31,600	200
McLean	11,400	11,200	4,500	58.7	264,200	5,800	8.6	49,900	900
Mercer	11,000	10,700	---	---	---	9,300	5.4	50,300	1,400
Oliver	11,700	11,700	500	39.0	19,500	9,400	7.8	72,900	1,800
West Central	56,000	55,400	5,400	57.5	310,500	44,200	6.5	285,100	5,800
Eddy	9,500	8,100	1,400	39.5	55,300	6,200	6.0	37,100	500
Foster	9,500	9,100	4,000	36.0	144,000	5,000	7.1	35,600	100
Kidder	21,600	20,900	5,000	57.0	285,000	13,000	4.8	61,800	2,900
Sheridan	5,000	3,800	1,000	39.0	39,000	2,600	9.0	23,400	200
Stutsman	29,000	27,500	8,200	39.6	325,100	17,400	5.5	96,300	1,900
Wells	20,400	18,400	8,400	34.0	285,600	9,800	4.9	48,200	200
Central	95,000	87,800	28,000	40.5	1,134,000	54,000	5.6	302,400	5,800
Barnes	20,500	20,100	15,600	51.5	803,400	4,200	6.5	27,400	300
Cass	83,000	82,800	79,000	76.2	6,016,900	3,800	9.7	36,900	---
Griggs	6,000	5,900	2,300	71.5	164,400	3,600	7.3	26,300	---
Steele	11,500	10,100	10,000	56.5	565,000	100	10.0	1,000	---
Traill	14,000	13,700	13,400	74.0	991,600	300	14.7	4,400	---
East Central	135,000	132,600	120,300	71.0	8,541,300	12,000	8.0	96,000	300
Adams	11,700	11,600	---	---	---	9,800	4.2	41,000	1,800
Billings	2,200	2,100	---	---	---	1,700	4.1	6,900	400
Bowman	4,600	4,600	---	---	---	4,500	1.8	8,200	100
Golden Valley	1,700	1,400	200	70.0	14,000	1,100	3.7	4,100	100
Hettinger	14,400	13,900	7,000	42.3	296,100	4,900	4.9	24,000	2,000
Slope	3,700	3,500	400	34.0	13,600	3,000	3.8	11,300	100
Stark	14,700	14,600	200	39.0	7,800	13,000	4.9	64,100	1,400
Southwest	53,000	51,700	7,800	42.5	331,500	38,000	4.2	159,600	5,900
Burleigh	17,500	16,000	1,500	56.7	85,000	13,000	6.4	83,600	1,500
Emmons	32,500	31,600	2,800	102.7	287,600	26,600	3.1	82,300	2,200
Grant	28,000	26,200	7,000	32.9	230,600	17,400	4.4	77,100	1,800
Morton	39,000	38,000	1,300	58.0	75,400	35,000	4.8	169,300	1,700
Sioux	7,000	7,000	200	53.5	10,700	6,000	3.2	18,900	800
South Central	124,000	118,800	12,800	53.9	689,300	98,000	4.4	431,200	8,000
Dickey	60,000	59,900	32,100	64.0	2,054,400	23,000	4.9	112,100	4,800
LaMoure	37,500	35,400	25,400	49.0	1,244,600	9,000	6.0	54,100	1,000
Logan	12,500	12,000	1,200	60.0	72,000	9,000	4.6	41,500	1,800
McIntosh	12,000	11,900	800	42.0	33,600	10,000	5.6	56,100	1,100
Ransom	66,000	65,500	53,300	82.0	4,370,600	12,000	6.0	72,200	200
Richland	189,000	188,400	184,900	89.4	16,523,100	3,000	8.7	26,000	500
Sargent	48,000	47,200	41,800	69.0	2,884,200	5,000	5.7	28,500	400
Southeast	425,000	420,300	339,500	80.1	27,182,500	71,000	5.5	390,500	9,800
STATE	1,000,000	960,000	560,000	72.0	40,320,000	360,000	5.4	1,944,000	40,000

1/ See page 62 for irrigated acres.

HAY: Acreage, Yield and Production of Alfalfa, All Other and All Hay by Counties, North Dakota, 1984 (Preliminary)

District and County	Alfalfa Hay			All Other Hay			All Hay		
	Acres Harvested	Harv. Yield	Production	Acres Harvested	Harv. Yield	Production	Acres Harvested	Harv. Yield	Production
	(Acres)	(Tons)	(Tons)	(Acres)	(Tons)	(Tons)	(Acres)	(Tons)	(Tons)
Burke	9,000	1.00	9,000	21,000	1.00	21,000	30,000	1.00	30,000
Divide	11,000	.80	8,800	15,500	1.05	16,300	26,500	.95	25,100
Mountrail	25,000	1.25	30,800	35,000	1.20	42,100	60,000	1.20	72,900
Renville	6,000	1.20	7,200	7,500	1.05	7,900	13,500	1.10	15,100
Ward	30,000	1.70	51,000	45,000	1.30	58,700	75,000	1.45	109,700
Williams	29,000	1.25	36,200	21,000	1.00	21,000	50,000	1.15	57,200
Northwest	110,000	1.30	143,000	145,000	1.15	167,000	255,000	1.20	310,000
Benson	11,000	1.70	18,700	33,000	1.40	46,100	44,000	1.45	64,800
Bottineau	22,000	1.30	28,600	20,000	1.30	26,000	42,000	1.30	54,600
McHenry	70,000	1.80	126,000	100,000	1.35	135,000	170,000	1.55	261,000
Pierce	20,000	1.80	36,000	37,000	1.30	48,000	57,000	1.45	84,000
Rolette	27,000	1.70	45,700	25,000	1.40	34,900	52,000	1.55	80,600
North Central	150,000	1.70	255,000	215,000	1.35	290,000	365,000	1.50	545,000
Cavalier	2,400	1.85	4,500	8,000	1.85	14,800	10,400	1.85	19,300
Grand Forks	8,000	2.90	23,200	11,000	1.60	17,600	19,000	2.15	40,800
Nelson	10,500	2.05	21,500	21,000	1.50	31,600	31,500	1.70	53,100
Pembina	10,500	2.15	22,800	9,500	1.30	12,400	20,000	1.75	35,200
Ramsey	3,200	1.75	5,600	10,500	1.60	16,800	13,700	1.65	22,400
Towner	3,400	1.50	5,100	13,000	1.75	22,800	16,400	1.70	27,900
Walsh	7,000	2.00	14,000	17,000	1.65	28,000	24,000	1.75	42,000
Northeast	45,000	2.15	96,700	90,000	1.60	144,000	135,000	1.80	240,700
Dunn	105,000	1.60	167,400	53,000	1.35	71,400	158,000	1.50	238,800
McKenzie	47,000	1.25	58,800	34,000	.95	32,200	81,000	1.10	91,000
McLean	28,000	2.20	61,600	37,000	1.30	48,000	65,000	1.70	109,600
Mercer	37,000	1.95	72,200	20,000	1.30	26,000	57,000	1.70	98,200
Oliver	28,000	2.00	56,000	16,000	1.40	22,400	44,000	1.80	78,400
West Central	245,000	1.70	416,000	160,000	1.25	200,000	405,000	1.50	616,000
Eddy	23,000	1.60	36,800	26,000	1.10	28,600	49,000	1.35	65,400
Foster	11,000	2.10	23,100	7,000	1.50	10,500	18,000	1.85	33,600
Kidder	97,000	1.40	136,200	65,000	1.05	68,300	162,000	1.25	204,500
Sheridan	10,000	1.80	18,000	32,000	1.45	46,400	42,000	1.55	64,400
Stutsman	54,000	2.10	113,400	44,000	1.50	66,000	98,000	1.85	179,400
Wells	10,000	2.15	21,500	26,000	1.55	40,200	36,000	1.70	61,700
Central	205,000	1.70	349,000	200,000	1.30	260,000	405,000	1.50	609,000
Barnes	16,000	2.15	34,200	20,000	1.50	30,000	36,000	1.80	64,200
Cass	14,500	3.00	43,500	2,500	2.00	5,000	17,000	2.85	48,500
Griggs	12,000	1.80	21,600	12,000	1.50	18,000	24,000	1.65	39,600
Steele	2,000	2.50	5,000	3,500	1.50	5,200	5,500	1.85	10,200
Traill	5,500	3.30	18,200	2,000	1.90	3,800	7,500	2.95	22,000
East Central	50,000	2.45	122,500	40,000	1.55	62,000	90,000	2.05	184,500
Adams	40,000	1.50	60,000	15,000	1.20	18,000	55,000	1.40	78,000
Billings	41,000	.90	36,900	22,000	1.20	26,300	63,000	1.00	63,200
Bowman	36,000	1.30	46,800	23,000	1.15	26,500	59,000	1.25	73,300
Golden Valley	17,000	1.25	21,200	12,000	.80	9,600	29,000	1.05	30,800
Hettinger	34,000	1.55	52,700	13,000	1.20	15,600	47,000	1.45	68,300
Slope	37,000	1.45	53,700	15,000	1.10	16,500	52,000	1.35	70,200
Stark	70,000	1.60	113,700	15,000	1.30	19,500	85,000	1.55	133,200
Southwest	275,000	1.40	385,000	115,000	1.15	132,000	390,000	1.35	517,000
Burleigh	55,000	1.80	99,000	45,000	1.25	56,100	100,000	1.55	155,100
Emmons	51,000	2.25	114,800	52,000	1.55	80,400	103,000	1.90	195,200
Grant	63,000	1.60	100,800	29,000	1.00	29,000	92,000	1.40	129,800
Morton	64,000	1.70	108,800	51,000	1.25	63,800	115,000	1.50	172,600
Sioux	47,000	1.40	66,400	23,000	.90	20,700	70,000	1.25	87,100
South Central	280,000	1.75	489,800	200,000	1.25	250,000	480,000	1.55	739,800
Dickey	36,000	2.15	77,500	26,000	1.40	36,400	62,000	1.85	113,900
LaMoure	23,000	2.30	52,900	20,000	1.55	31,000	43,000	1.95	83,900
Logan	41,000	2.00	82,000	45,000	1.30	58,500	86,000	1.65	140,500
McIntosh	33,000	2.20	72,600	41,000	1.55	63,600	74,000	1.85	136,200
Ransom	19,000	3.00	57,000	12,000	1.20	14,400	31,000	2.30	71,400
Richland	19,000	3.50	66,500	21,000	1.10	23,100	40,000	2.25	89,600
Sargent	19,000	2.50	47,500	20,000	1.15	23,000	39,000	1.80	70,500
Southeast	190,000	2.40	456,000	185,000	1.35	250,000	375,000	1.90	706,000
STATE	1,550,000	1.75	2,713,000	1,350,000	1.30	1,755,000	2,900,000	1.54	4,468,000

HAY: Acreage, Yield and Production of Alfalfa, All Other and All Hay by Counties, North Dakota, 1985 (Preliminary)

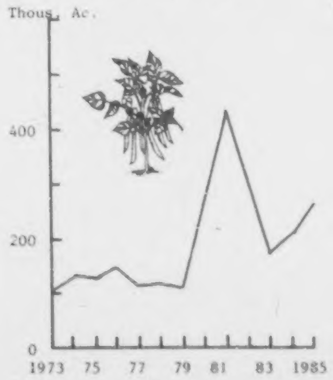
District and County	Alfalfa Hay			All Other Hay			All Hay		
	Acres Harvested	Harv. Yield	Production	Acres Harvested	Harv. Yield	Production	Acres Harvested	Harv. Yield	Production
	(Acres)	(Tons)	(Tons)	(Acres)	(Tons)	(Tons)	(Acres)	(Tons)	(Tons)
Burke	9,000	1.20	10,800	25,500	1.25	31,900	34,500	1.25	42,700
Divide	7,500	.75	5,600	16,000	.75	12,000	23,500	.75	17,600
Mountrail	25,000	1.15	28,800	33,000	1.35	44,600	58,000	1.25	73,400
Renville	9,000	1.50	13,500	8,500	1.60	13,600	17,500	1.55	27,100
Ward	28,000	1.55	43,400	43,000	1.20	51,200	71,000	1.35	94,600
Williams	27,500	1.30	35,700	24,000	.80	19,200	51,500	1.05	54,900
Northwest	106,000	1.30	137,800	150,000	1.15	172,500	256,000	1.20	310,300
Benson	16,000	1.90	30,400	27,000	1.30	35,100	43,000	1.50	65,500
Bottineau	20,500	1.60	32,900	23,000	1.25	28,900	43,500	1.40	61,800
McHenry	65,000	1.35	88,600	80,000	1.10	88,000	145,000	1.20	176,600
Pierce	18,000	1.45	26,100	40,000	1.05	42,000	58,000	1.15	68,100
Rolette	25,500	1.55	39,500	25,000	1.60	40,000	50,500	1.55	79,500
North Central	145,000	1.50	217,500	195,000	1.20	234,000	340,000	1.35	451,500
Cavalier	2,400	2.10	5,000	7,500	1.80	13,600	9,900	1.90	18,600
Grand Forks	7,000	2.35	16,500	6,500	1.10	7,200	13,500	1.75	23,700
Nelson	9,000	2.10	19,000	19,500	1.30	25,400	28,500	1.55	44,400
Pembina	6,000	2.25	13,500	9,000	1.15	10,400	15,000	1.60	23,900
Ramsey	2,500	1.70	4,300	9,500	1.20	11,400	12,000	1.30	15,700
Towner	3,100	1.45	4,500	11,000	1.15	12,700	14,100	1.20	17,200
Walsh	5,000	2.15	10,700	12,000	1.40	16,800	17,000	1.60	27,500
Northeast	35,000	2.10	73,500	75,000	1.30	97,500	110,000	1.55	171,000
Dunn	91,000	1.00	91,000	69,000	1.00	69,000	160,000	1.00	160,000
McKenzie	35,000	1.10	38,500	49,000	.80	39,200	84,000	.95	77,700
McLean	25,000	2.40	60,000	38,000	1.40	53,200	63,000	1.80	113,200
Mercer	37,000	1.80	66,600	22,000	1.50	33,000	59,000	1.70	99,600
Oliver	32,000	1.95	62,400	17,000	1.75	29,900	49,000	1.90	92,300
West Central	220,000	1.45	318,500	195,000	1.15	224,300	415,000	1.30	542,800
Eddy	28,000	1.50	42,000	22,000	1.10	24,200	50,000	1.30	66,200
Foster	12,000	1.65	19,800	5,500	1.25	6,900	17,500	1.55	26,700
Kidder	110,000	1.10	119,000	57,000	1.00	56,500	167,000	1.05	175,500
Sheridan	12,500	1.65	20,600	28,000	1.50	41,700	40,500	1.55	62,300
Stutsman	57,000	1.20	67,300	45,000	1.30	58,300	102,000	1.25	125,600
Wells	10,500	1.75	18,500	27,500	1.25	34,400	38,000	1.40	52,900
Central	230,000	1.25	287,200	185,000	1.20	222,000	415,000	1.25	509,200
Barnes	16,000	2.00	32,200	21,500	1.35	29,000	37,500	1.60	61,200
Cass	13,000	3.15	41,000	3,300	1.65	5,500	16,300	2.85	46,500
Griggs	12,500	2.00	25,000	10,000	1.40	14,000	22,500	1.75	39,000
Steele	2,000	2.10	4,200	3,500	1.30	4,600	5,500	1.60	8,800
Traill	5,500	3.20	17,600	1,700	1.75	2,900	7,200	2.85	20,500
East Central	49,000	2.45	120,000	40,000	1.40	56,000	89,000	2.00	176,000
Adams	42,000	.85	35,800	21,000	1.15	24,200	63,000	.95	60,000
Billings	38,000	.60	22,800	31,000	.80	24,800	69,000	.70	47,600
Bowman	30,000	.60	18,000	23,000	.75	17,300	53,000	.65	35,300
Golden Valley	15,000	.75	11,300	19,000	.55	10,500	34,000	.65	21,800
Hettinger	33,000	1.20	39,600	18,000	1.05	18,900	51,000	1.15	58,500
Slope	35,000	.90	31,500	31,000	.85	26,400	66,000	.90	57,900
Stark	67,000	1.50	101,000	32,000	1.10	35,400	99,000	1.40	136,400
Southwest	260,000	1.00	260,000	175,000	.90	157,500	435,000	.95	417,500
Burleigh	58,000	1.75	101,500	43,500	1.15	50,000	101,500	1.50	151,500
Emmons	56,000	1.30	72,800	62,000	1.10	67,000	118,000	1.20	139,800
Grant	56,000	1.15	64,500	36,500	1.20	43,800	92,500	1.20	108,300
Morton	64,000	1.35	86,600	60,000	1.35	81,000	124,000	1.35	167,600
Sioux	31,000	.60	18,600	38,000	1.00	38,000	69,000	.80	56,600
South Central	265,000	1.30	344,000	240,000	1.15	279,800	505,000	1.25	623,800
Dickey	36,000	1.55	55,800	29,000	1.20	34,800	65,000	1.40	90,600
LaMoure	22,000	1.65	36,400	21,000	1.15	24,200	43,000	1.40	60,600
Logan	42,500	1.30	55,300	50,000	1.10	55,200	92,500	1.20	110,500
McIntosh	33,000	1.10	36,300	48,000	1.15	55,300	81,000	1.15	91,600
Ransom	22,500	2.90	65,200	13,500	1.15	15,500	36,000	2.25	80,700
Richland	17,000	3.20	54,400	16,500	1.10	18,200	33,500	2.15	72,600
Sargent	17,000	2.25	38,100	17,000	1.25	21,200	34,000	1.75	59,300
Southeast	190,000	1.80	341,500	195,000	1.15	224,400	385,000	1.45	565,900
STATE	1,500,000	1.40	2,100,000	1,450,000	1.15	1,668,000	2,950,000	1.28	3,768,000

DRY BEANS & POTATOES

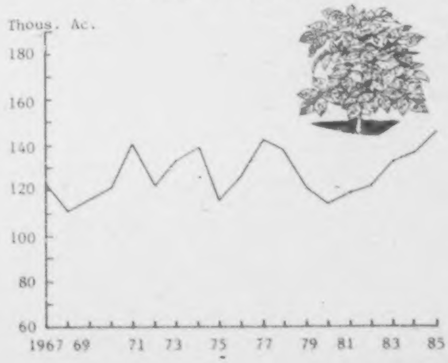
Acreage, Yield and Production by Counties, North Dakota, 1984 (Revised) and 1985 (Preliminary)

District and County	1984					1985				
	Acres Planted	Acres Harvested	Yield/Acre		Production	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.				Pltd.	Harv.	
	(Acres)	(Acres)	(Lbs.)	(Lbs.)	(Cwt.)	(Acres)	(Acres)	(Lbs.)	(Lbs.)	(Cwt.)
DRY BEANS										
Ward	100	100	900	900	900	---	---	---	---	---
Williams	300	300	940	940	2,820	200	200	1500	1500	3,000
Benson	300	300	890	890	2,670	300	300	1190	1190	3,570
Bottineau	700	700	750	750	5,250	200	200	1120	1120	2,240
Pierce	200	200	840	840	1,680	100	100	1030	1030	1,030
Cavalier	1,100	1,100	870	870	9,570	1,900	1,600	1040	1230	19,680
Grand Forks	43,000	41,600	1330	1370	569,960	62,000	58,500	1280	1350	790,550
Nelson	600	600	960	960	5,760	500	500	950	950	4,750
Pembina	29,000	28,400	1340	1370	389,080	35,500	31,000	1000	1150	356,500
Ramsey	1,200	1,100	960	1050	11,550	2,000	1,700	620	730	12,410
Towner	1,100	900	610	750	6,750	2,100	700	310	930	6,510
Walsh	23,000	22,800	1350	1360	310,080	27,000	23,000	1180	1390	319,700
McKenzie	700	700	1630	1630	11,410	300	300	1750	1750	5,250
McLean	1,200	1,100	1020	1110	12,210	1,000	1,000	1400	1400	14,000
Mercer	100	100	960	960	960	200	200	1350	1350	2,700
Oliver	200	200	1150	1150	2,300	100	100	1250	1250	1,250
Eddy	100	100	900	900	900	100	100	1390	1390	1,390
Kidder	400	400	1510	1510	6,040	400	400	1350	1350	5,400
Sheridan	300	300	810	810	2,430	300	300	1370	1370	4,110
Stutsman	900	800	710	800	6,400	900	900	1240	1240	11,160
Wells	5,200	5,100	840	860	43,860	5,300	3,700	800	1140	42,200
Barnes	800	800	860	860	6,880	600	600	1250	1250	7,500
Cass	23,000	22,500	1150	1180	265,500	28,000	27,300	1120	1150	313,950
Griggs	5,200	5,200	1070	1070	55,640	6,400	5,000	820	1050	52,500
Steele	18,000	17,500	1120	1150	201,250	24,000	22,300	1190	1280	285,440
Traill	30,000	29,000	1290	1330	385,730	44,000	42,000	1240	1300	545,890
Bowman	600	600	1000	1000	6,000	100	100	740	740	740
Hettinger	500	500	1000	1000	5,000	500	400	830	1040	4,160
Stark	---	---	---	---	---	200	200	770	770	1,540
Burleigh	600	600	930	930	5,580	300	300	1100	1100	3,300
Emmons	900	800	980	1100	8,800	300	300	950	950	2,850
Grant	100	100	800	800	800	100	100	1030	1030	1,030
Morton	200	200	910	910	1,820	---	---	---	---	---
Sioux	---	---	---	---	---	400	300	710	940	2,820
Dickey	1,000	1,000	800	800	8,000	1,000	1,000	990	990	9,900
LaMoure	3,600	3,600	900	900	32,400	3,000	2,200	590	810	17,820
Logan	100	100	780	780	780	---	---	---	---	---
Ransom	4,000	4,000	1200	1200	48,000	3,200	3,100	1350	1390	43,090
Richland	3,900	3,800	1540	1580	60,040	6,000	5,600	1580	1690	94,670
Sargent	2,800	2,800	900	900	25,200	1,500	1,400	1030	1100	15,400
STATE	205,000	200,000	1230	1260	2,520,000	260,000	237,000	1160	1270	3,010,000
POTATOES										
			(Cwt.)	(Cwt.)	(Cwt.)			(Cwt.)	(Cwt.)	(Cwt.)
Grand Forks	26,800	25,000	145	155	3,875,000	29,000	28,000	175	180	5,040,000
Pembina	36,400	36,300	165	165	5,989,500	39,700	38,500	155	160	6,160,000
Towner	2,400	2,400	125	125	300,000	2,900	2,900	180	180	522,000
Walsh	62,800	62,300	150	150	9,345,500	64,500	61,000	160	170	10,355,000
Traill	5,000	4,500	125	140	630,000	5,600	5,400	170	175	945,000
Other Counties	2,600	2,500	185	190	475,000	3,300	3,200	185	190	608,000
STATE	136,000	133,000	150	155	20,615,000	145,000	139,000	165	170	23,630,000

DRY BEAN PLANTED ACRES
North Dakota, 1973-85



POTATO PLANTED ACRES
North Dakota, 1967-85

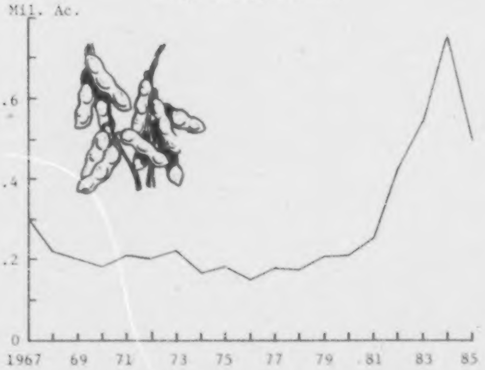


SOYBEANS & SUGARBEETS

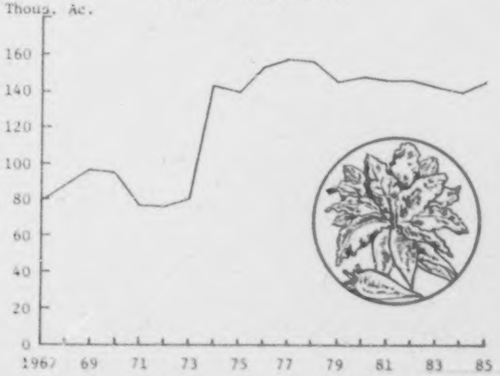
Acreage, Yield and Production by Counties, North Dakota, 1984 (Revised) and 1985 (Preliminary)

District and County	1984					1985				
	Acres Planted	Acres Harvested	Yield/Acre		Production	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.				Pltd.	Harv.	
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)
SOYBEANS										
Benson	1,600	1,500	11.8	12.6	18,900	---	---	---	---	---
Bottineau	300	200	6.0	9.0	1,800	---	---	---	---	---
Cavalier	400	400	13.0	13.0	5,200	100	100	8.0	8.0	800
Grand Forks	72,000	71,000	23.1	23.4	1,663,100	44,000	43,300	16.7	17.0	736,000
Nelson	5,700	5,300	15.8	17.0	90,100	3,000	2,700	11.7	13.0	35,000
Pembina	33,500	33,000	22.7	23.0	759,000	17,500	16,500	17.0	18.0	297,000
Ramsey	2,300	2,300	15.0	15.0	34,500	1,100	700	5.1	8.0	5,600
Towner	2,100	2,000	11.0	11.5	23,000	300	200	6.7	10.0	2,000
Walsh	19,000	18,500	21.9	22.5	416,300	9,000	7,800	14.8	17.1	133,600
Eddy	700	700	11.0	11.0	7,700	---	---	---	---	---
Foster	700	700	13.6	13.6	9,500	100	100	20.0	20.0	2,000
Kidder	800	800	13.5	13.5	10,800	100	100	15.0	15.0	1,500
Sheridan	1,500	1,500	12.5	12.5	18,800	600	600	14.0	14.0	8,400
Stutsman	3,300	3,300	13.5	13.5	44,600	400	400	20.0	20.0	8,000
Wells	7,500	7,300	10.7	11.0	80,200	2,300	2,200	11.3	11.9	26,100
Barnes	11,500	11,100	16.4	17.0	188,700	6,500	6,100	18.8	20.0	122,000
Cass	220,000	218,000	22.0	22.2	4,833,200	148,000	146,000	28.0	28.3	4,138,200
Griggs	6,500	6,400	14.8	15.0	96,000	2,500	2,400	11.5	12.0	28,800
Steele	30,000	29,500	20.2	20.5	604,800	15,000	14,500	18.9	19.5	283,000
Traill	97,000	96,000	24.7	25.0	2,400,000	63,000	62,000	24.6	25.0	1,550,000
Adams	200	200	10.0	10.0	2,000	---	---	---	---	---
Hettinger	700	700	10.0	10.0	7,000	---	---	---	---	---
Dickey	5,400	5,300	14.7	15.0	79,500	1,800	1,700	15.1	16.0	27,200
LaMoure	8,100	7,900	13.7	14.0	110,600	2,000	1,800	19.4	21.5	38,700
Logan	300	300	11.0	11.0	3,300	---	---	---	---	---
Ransom	12,200	11,700	19.2	20.0	234,000	7,000	6,900	23.7	24.0	165,700
Richland	197,000	195,000	26.0	26.3	5,125,200	170,000	168,500	29.6	29.9	5,034,400
Sargent	7,000	6,800	17.5	18.0	122,400	4,200	4,100	20.0	20.5	84,000
Other Counties	2,700	2,600	11.0	11.5	29,800	1,500	1,300	8.0	9.2	12,000
STATE	750,000	740,000	22.7	23.0	17,020,000	500,000	490,000	25.5	26.0	12,740,000
SUGARBEETS										
			(Tons)	(Tons)	(Tons)			(Tons)	(Tons)	(Tons)
Williams	4,000	4,000	14.4	14.4	57,600	4,100	4,100	16.9	16.9	69,300
Grand Forks	10,400	10,300	16.6	16.8	173,000	10,300	10,300	16.7	16.7	172,000
Pembina	28,600	28,500	16.6	16.7	475,800	32,100	32,100	15.2	15.2	486,700
Walsh	25,200	25,200	17.1	17.1	430,900	26,700	26,700	16.4	16.4	437,900
McKenzie	8,200	8,100	16.6	16.8	136,000	8,000	8,000	19.6	19.6	156,800
Cass	17,100	17,000	15.3	15.4	261,800	17,300	17,100	15.4	15.6	266,800
Steele	300	300	16.3	16.3	4,900	---	---	---	---	---
Traill	24,100	24,000	16.3	16.4	393,600	25,900	25,600	16.5	16.7	427,500
Richland	21,900	21,700	17.1	17.3	375,400	20,400	20,300	19.9	20.0	406,000
STATE	139,800	139,100	16.5	16.6	2,309,000	144,800	144,200	16.7	16.8	2,423,000

SOYBEAN PLANTED ACRES
North Dakota, 1967-85



SUGARBEET PLANTED ACRES
North Dakota, 1967-85



IRRIGATION

ALL WHEAT, SPRING WHEAT OTHER THAN DURUM, DURUM WHEAT AND BARLEY: Acreage, Yield and Production on Irrigated Land by Counties, North Dakota, 1984 (Revised)

District and County	Acres Planted	Acres Harvested	Yield/Acre		Production	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.				Pltd.	Harv.	
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)
	ALL WHEAT					SPRING WHEAT OTHER THAN DURUM				
Divide	1,400	1,400	63.6	63.6	89,000	800	800	67.0	67.0	53,600
Ward	100	100	45.0	45.0	4,500	---	---	---	---	---
Williams	2,300	2,300	50.2	50.2	115,400	1,400	1,400	49.0	49.0	68,600
Benson	500	500	40.2	40.2	20,100	200	200	42.0	42.0	8,400
McHenry	100	100	40.0	40.0	4,000	---	---	---	---	---
Grand Forks	400	400	70.0	70.0	28,000	400	400	70.0	70.0	28,000
Nelson	100	100	60.0	60.0	6,000	100	100	60.0	60.0	6,000
Walsh	100	100	65.0	65.0	6,500	100	100	65.0	65.0	6,500
McKenzie	4,900	4,900	62.9	62.9	308,400	4,800	4,800	63.0	63.0	302,400
McLean	1,200	1,200	54.2	54.2	65,000	1,000	1,000	55.0	55.0	55,000
Mercer	100	100	40.0	40.0	4,000	100	100	40.0	40.0	4,000
Oliver	100	100	40.0	40.0	4,000	100	100	40.0	40.0	4,000
Eddy	100	100	40.0	40.0	4,000	100	100	40.0	40.0	4,000
Foster	100	100	40.0	40.0	4,000	100	100	40.0	40.0	4,000
Kidder	1,300	1,300	44.0	44.0	57,200	1,300	1,300	44.0	44.0	57,200
Stutsman	100	100	38.0	38.0	3,800	100	100	38.0	38.0	3,800
Barnes	200	200	60.0	60.0	12,000	200	200	60.0	60.0	12,000
Cass	800	800	60.0	60.0	48,000	---	---	---	---	---
Griggs	600	600	45.0	45.0	27,000	---	---	---	---	---
Steele	200	200	50.0	50.0	10,000	200	200	50.0	50.0	10,000
Traill	100	100	65.0	65.0	6,500	100	100	65.0	65.0	6,500
Golden Valley	200	200	35.0	35.0	7,000	200	200	35.0	35.0	7,000
Emmons	600	600	60.0	60.0	36,000	600	600	60.0	60.0	36,000
Dickey	400	400	42.0	42.0	16,800	400	400	42.0	42.0	16,800
LaMoure	500	500	46.8	46.8	23,400	200	200	42.0	42.0	8,400
Ransom	500	500	56.0	56.0	28,000	300	300	60.0	60.0	18,000
STATE	17,000	17,000	55.2	55.2	938,600	12,800	12,800	56.3	56.3	720,200
	DURUM WHEAT					BARLEY				
Divide	600	600	59.0	59.0	35,400	100	100	87.0	87.0	8,700
Ward	100	100	45.0	45.0	4,500	---	---	---	---	---
Williams	900	900	52.0	52.0	46,800	200	200	64.0	64.0	12,800
Benson	300	300	39.0	39.0	11,700	200	200	93.0	93.0	18,600
McHenry	100	100	40.0	40.0	4,000	---	---	---	---	---
Nelson	---	---	---	---	---	100	100	90.0	90.0	9,000
McKenzie	100	100	60.0	60.0	6,000	300	300	78.7	78.7	23,600
McLean	200	200	50.0	50.0	10,000	300	300	87.0	87.0	26,100
Mercer	---	---	---	---	---	100	100	70.0	70.0	7,000
Oliver	---	---	---	---	---	100	100	70.0	70.0	7,000
Eddy	---	---	---	---	---	300	300	100.0	100.0	30,000
Foster	---	---	---	---	---	100	100	100.0	100.0	10,000
Kidder	---	---	---	---	---	300	300	70.0	70.0	21,000
Cass	800	800	60.0	60.0	48,000	200	200	100.0	100.0	20,000
Griggs	600	600	45.0	45.0	27,000	---	---	---	---	---
Golden Valley	---	---	---	---	---	200	200	80.0	80.0	16,000
Emmons	---	---	---	---	---	100	100	80.0	80.0	8,000
Morton	---	---	---	---	---	100	100	80.0	80.0	8,000
Dickey	---	---	---	---	---	500	500	107.2	107.2	53,600
LaMoure	300	300	50.0	50.0	15,000	---	---	---	---	---
Logan	---	---	---	---	---	100	100	80.0	80.0	8,000
Ransom	200	200	50.0	50.0	10,000	300	300	68.0	68.0	20,400
STATE	4,200	4,200	52.0	52.0	218,400	3,600	3,600	85.5	85.5	307,800

IRRIGATION CONT.

ALL WHEAT, SPRING WHEAT OTHER THAN DURUM, DURUM WHEAT AND BARLEY: Acreage, Yield and Production on Irrigated Land by Counties, North Dakota, 1985 (Preliminary)

District and County	Acres Planted	Acres Harvested	Yield/Acre		Production	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.				Pltd.	Harv.	
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)
	ALL WHEAT					SPRING WHEAT OTHER THAN DURUM				
Divide	1,600	1,600	62.9	62.9	100,700	900	900	54.8	54.8	49,300
Ward	200	200	45.0	45.0	9,000	200	200	45.0	45.0	9,000
Williams	3,300	3,300	55.6	55.6	183,500	2,100	2,100	54.0	54.0	113,400
Benson	800	800	45.6	45.6	36,500	500	500	40.0	40.0	20,000
McHenry	200	200	50.0	50.0	10,000	200	200	50.0	50.0	10,000
Grand Forks	300	300	60.0	60.0	18,000	300	300	60.0	60.0	18,000
Nelson	200	200	65.0	65.0	13,000	200	200	65.0	65.0	13,000
Walsh	100	100	65.0	65.0	6,500	100	100	65.0	65.0	6,500
McKenzie	5,200	5,200	71.0	71.0	369,200	5,200	5,200	71.0	71.0	369,200
McLean	1,800	1,800	47.0	47.0	84,600	1,200	1,200	48.0	48.0	57,600
Mercer	200	200	40.0	40.0	8,000	200	200	40.0	40.0	8,000
Oliver	100	100	70.0	70.0	7,000	100	100	70.0	70.0	7,000
Foster	200	200	40.0	40.0	8,000	---	---	---	---	---
Kidder	1,300	1,300	45.0	45.0	58,500	1,300	1,300	45.0	45.0	58,500
Barnes	100	100	53.0	53.0	5,300	100	100	53.0	53.0	5,300
Cass	1,700	1,700	59.5	59.5	101,200	---	---	---	---	---
Griggs	400	400	45.0	45.0	18,000	400	400	45.0	45.0	18,000
Steele	300	300	50.0	50.0	15,000	300	300	50.0	50.0	15,000
Traill	200	200	60.0	60.0	12,000	200	200	60.0	60.0	12,000
Emmons	600	600	50.0	50.0	30,000	600	600	50.0	50.0	30,000
Grant	100	100	45.0	45.0	4,500	100	100	45.0	45.0	4,500
Morton	100	100	45.0	45.0	4,500	100	100	45.0	45.0	4,500
Dickey	700	700	46.0	46.0	32,200	700	700	46.0	46.0	32,200
LaMoure	700	700	42.9	42.9	30,000	300	300	45.7	45.7	13,700
Logan	100	100	45.0	45.0	4,500	100	100	45.0	45.0	4,500
Ransom	200	200	40.0	40.0	8,000	---	---	---	---	---
Sargent	300	300	50.0	50.0	15,000	300	300	50.0	50.0	15,000
State	21,000	21,000	56.8	56.8	1,192,700	15,700	15,700	57.0	57.0	894,200
	DURUM WHEAT					BARLEY				
Divide	700	700	73.4	73.4	51,400	100	100	72.0	72.0	7,200
Ward	---	---	---	---	---	100	100	50.0	50.0	5,000
Williams	1,200	1,200	58.4	58.4	70,100	100	100	62.0	62.0	6,200
Benson	300	300	55.0	55.0	16,500	100	100	80.0	80.0	8,000
McHenry	---	---	---	---	---	100	100	80.0	80.0	8,000
Nelson	---	---	---	---	---	100	100	50.0	50.0	5,000
McKenzie	---	---	---	---	---	800	800	87.3	87.3	69,800
McLean	600	600	45.0	45.0	27,000	200	200	76.5	76.5	15,300
Oliver	---	---	---	---	---	100	100	86.0	86.0	8,600
Eddy	---	---	---	---	---	200	200	80.0	80.0	16,000
Foster	200	200	40.0	40.0	8,000	200	200	80.0	80.0	16,000
Kidder	---	---	---	---	---	100	100	61.0	61.0	6,100
Barnes	---	---	---	---	---	100	100	80.0	80.0	8,000
Cass	1,700	1,700	59.5	59.5	101,200	---	---	---	---	---
Griggs	---	---	---	---	---	600	600	90.0	90.0	54,000
Emmons	---	---	---	---	---	100	100	80.0	80.0	8,000
Grant	---	---	---	---	---	100	100	75.0	75.0	7,500
Morton	---	---	---	---	---	100	100	75.0	75.0	7,500
Dickey	---	---	---	---	---	400	400	96.0	96.0	38,400
LaMoure	400	400	40.8	40.8	16,300	---	---	---	---	---
Logan	---	---	---	---	---	100	100	80.0	80.0	8,000
Ransom	200	200	40.0	40.0	8,000	300	300	75.0	75.0	22,500
STATE	5,300	5,300	56.3	56.3	298,500	4,000	4,000	81.3	81.3	325,100

IRRIGATION CONT.

CORN: Acreage, Yield and Production on Irrigated Land
by Counties, North Dakota, 1984 (Revised) and 1985 (Preliminary)

County	1984			1985		
	Acres Harvested	Yield per Harvested Acre	Production	Acres Harvested	Yield per Harvested Acre	Production
	(Acres)	(Bu.)	(Bu.)	(Acres)	(Bu.)	(Bu.)
			CORN FOR GRAIN			
Ward	200	88.0	17,600	---	---	---
Williams	---	---	---	200	68.0	13,600
Benson	1,300	92.0	119,600	700	65.0	45,500
McHenry	1,400	91.0	127,400	1,700	85.6	145,600
Grand Forks	1,100	80.0	88,000	700	75.0	52,500
Nelson	200	80.0	16,000	100	70.0	7,000
Ramsey	100	90.0	9,000	100	75.0	7,500
McKenzie	200	101.0	20,200	400	67.0	26,800
McLean	1,600	95.0	152,000	1,200	96.0	115,200
Mercer	200	80.5	16,100	---	---	---
Oliver	100	85.0	8,500	---	---	---
Eddy	700	104.0	72,800	200	65.0	13,000
Foster	1,800	80.0	144,000	700	64.5	45,150
Kidder	4,400	94.0	413,600	4,400	60.7	267,000
Stutsman	1,400	78.0	109,200	1,200	63.0	75,600
Wells	200	75.0	15,000	100	63.0	6,300
Barnes	1,500	81.0	121,500	1,700	83.0	141,100
Cass	7,200	115.0	828,000	7,500	82.0	615,000
Griggs	1,000	86.0	86,000	1,700	77.3	131,400
Steele	1,400	100.0	140,000	1,300	83.5	108,550
Traill	200	85.0	17,000	200	80.0	16,000
Golden Valley	300	85.0	25,500	200	70.0	14,000
Burleigh	500	93.0	46,500	800	80.0	64,000
Emmons	2,100	127.0	266,700	2,300	118.7	273,100
Grant	600	82.0	49,200	---	---	---
Morton	100	100.0	10,000	600	80.0	48,000
Sioux	---	---	---	100	75.0	7,500
Dickey	9,200	130.0	1,196,000	10,600	119.0	1,261,400
LaMoure	2,900	108.0	313,200	2,800	98.5	275,800
Logan	700	94.0	65,800	400	105.0	42,000
Ransom	13,100	115.0	1,506,500	12,200	121.0	1,476,200
Richland	1,200	102.0	122,400	1,300	129.0	167,700
Sargent	8,400	127.0	1,066,800	8,100	105.0	850,500
STATE	65,300	110.1	7,190,100	63,500	99.4	6,313,000
			CORN FOR SILAGE			
	(Acres)	(Ton)	(Ton)	(Acres)	(Ton)	(Ton)
Divide	200	17.0	3,400	200	8.0	1,600
Ward	300	15.0	4,500	400	8.0	3,200
Williams	200	12.0	2,400	400	10.0	4,000
Benson	---	---	---	700	11.0	7,700
McHenry	400	10.0	4,000	---	---	---
Pierce	200	12.0	2,400	200	10.0	2,000
Rolette	200	15.0	3,000	200	10.0	2,000
Grand Forks	---	---	---	400	13.0	5,200
Nelson	100	15.0	1,500	100	13.0	1,300
Dunn	100	16.0	1,600	100	9.0	900
McKenzie	1,300	16.0	20,800	1,200	19.0	22,800
McLean	900	18.0	16,200	1,200	20.0	24,000
Mercer	1,300	16.5	21,450	1,200	12.0	14,400
Oliver	700	16.0	11,200	900	17.0	15,300
Eddy	200	10.0	2,000	700	11.0	7,700
Foster	---	---	---	800	9.0	7,200
Kidder	500	9.0	4,500	1,100	9.0	9,900
Sheridan	100	9.0	900	---	---	---
Stutsman	800	15.5	12,400	1,100	9.0	9,900
Barnes	200	8.0	1,600	---	---	---
Griggs	600	18.0	10,800	400	18.0	7,200
Traill	100	10.0	1,000	100	18.0	1,800
Golden Valley	---	---	---	200	10.0	2,000
Stark	100	12.0	1,200	100	9.0	900
Burleigh	700	16.0	11,200	2,300	10.5	24,150
Emmons	900	19.5	17,550	1,000	9.0	9,000
Grant	200	14.0	2,800	900	12.5	11,250
Morton	1,000	15.0	15,000	1,400	13.0	18,200
Sioux	400	14.0	5,600	400	10.0	4,000
Dickey	400	22.0	8,800	---	---	---
LaMoure	100	15.0	1,500	300	11.5	3,450
Logan	200	18.0	3,600	200	19.0	3,800
Ransom	500	13.0	6,500	600	13.5	8,100
Sargent	200	15.0	3,000	---	---	---
STATE	13,100	15.5	202,400	18,800	12.4	232,950

SUMMER FALLOW & STORAGE CAPACITY

Land Summer Fallowed by Counties,
North Dakota, 1983-85

Commercial Grain Storage Capacity by
Counties, North Dakota, January 1, 1986

District and County	Total Acres Summer Fallowed			1984	1985	1986	
	1983	1984	1985			Number of Houses	Capacity
	Acres			(000 Bu.)		(No.)	(000 Bu.)
Burke	175,000	170,000	170,000	907	980	7	980
Divide	230,000	230,000	230,000	1,575	1,792	8	1,803
Mountrail	230,000	210,000	240,000	2,756	2,821	11	2,855
Renville	165,000	150,000	150,000	1,665	1,626	8	1,664
Ward	280,000	240,000	260,000	7,324	7,333	16	7,516
Williams	330,000	340,000	400,000	3,243	3,092	14	3,733
Northwest	1,410,000	1,340,000	1,450,000	17,470	17,644	64	18,551
Benson	165,000	140,000	150,000	2,824	3,003	13	3,223
Bottineau	250,000	250,000	250,000	4,568	4,530	15	4,664
McHenry	130,000	130,000	140,000	6,329	6,497	13	3,996
Pierce	115,000	100,000	105,000	1,210	1,233	4	1,185
Rolette	90,000	80,000	95,000	750	887	4	553
North Central	750,000	700,000	740,000	15,681	16,150	49	13,621
Cavalier	235,000	200,000	180,000	2,495	2,675	20	3,011
Grand Forks	115,000	100,000	110,000	15,769	15,498	25	17,260
Nelson	130,000	105,000	110,000	3,898	4,187	12	4,791
Pembina	110,000	70,000	105,000	3,517	3,597	19	4,675
Ramsey	160,000	140,000	150,000	4,335	4,643	20	4,925
Towner	160,000	120,000	120,000	2,378	2,414	10	2,567
Walsh	150,000	125,000	135,000	5,921	5,954	17	6,527
Northeast	1,060,000	860,000	910,000	38,313	38,968	123	43,756
Dunn	110,000	90,000	105,000	822	731	4	731
McKenzie	145,000	150,000	180,000	1,423	1,534	7	1,541
McLean	270,000	240,000	240,000	4,166	4,387	11	4,753
Mercer	80,000	75,000	80,000	1,310	1,237	4	1,224
Oliver	35,000	35,000	45,000	---	---	--	---
West Central	640,000	590,000	650,000	7,721	7,889	26	8,249
Eddy	45,000	45,000	50,000	928	943	5	943
Foster	75,000	60,000	65,000	5,839	4,598	8	5,931
Kidder	55,000	40,000	55,000	1,175	953	6	1,013
Sheridan	85,000	80,000	90,000	930	1,158	4	999
Stutsman	240,000	205,000	190,000	15,299	16,206	16	17,746
Wells	160,000	140,000	140,000	3,961	3,830	15	4,487
Central	660,000	570,000	590,000	28,132	27,688	54	31,119
Barnes	190,000	120,000	130,000	6,911	6,652	18	6,896
Cass	145,000	80,000	125,000	20,135	20,804	41	21,882
Griggs	90,000	70,000	65,000	2,246	2,342	9	2,506
Steele	95,000	60,000	70,000	1,755	2,097	7	2,305
Traill	70,000	50,000	70,000	5,350	5,854	14	6,258
East Central	590,000	380,000	460,000	36,397	37,749	89	39,847
Adams	100,000	100,000	90,000	1,600	1,625	5	1,688
Billings	30,000	30,000	60,000	---	---	--	---
Bowman	115,000	110,000	110,000	2,415	2,478	4	2,654
Golden Valley	80,000	80,000	90,000	1,071	1,138	6	1,190
Hettinger	200,000	170,000	165,000	2,024	1,992	9	2,148
Slope	100,000	100,000	110,000	---	---	--	---
Stark	145,000	130,000	135,000	3,317	3,487	10	3,340
Southwest	770,000	720,000	760,000	10,427	10,720	34	11,020
Burleigh	105,000	90,000	90,000	1,590	1,590	6	1,676
Emmons	115,000	85,000	75,000	1,366	1,549	8	1,799
Grant	100,000	90,000	85,000	1,097	988	6	1,241
Morton	120,000	95,000	90,000	1,927	1,938	8	1,701
Sioux	30,000	30,000	20,000	219	220	1	136
South Central	470,000	390,000	360,000	6,199	6,285	29	6,553
Dickey	70,000	55,000	65,000	3,385	3,173	9	3,554
LaMoure	135,000	110,000	100,000	3,072	3,212	13	3,254
Logan	85,000	70,000	60,000	1,366	1,396	6	1,536
McIntosh	85,000	75,000	75,000	1,119	1,252	9	1,243
Ransom	70,000	60,000	60,000	4,349	4,330	9	4,238
Richland	50,000	40,000	70,000	5,870	6,109	22	6,488
Sargent	55,000	40,000	50,000	3,299	3,585	13	4,171
Southeast	550,000	450,000	480,000	22,460	23,057	81	24,484
STATE	6,900,000	6,000,000	6,400,000	182,800	186,150	549	197,200

FARM MARKETINGS

Estimated Percent of Crop Year Total Sold in Open Market by Months
North Dakota, 1980-84

Year	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
					---------Percent---------							
ALL WHEAT												
1980	10	12	12	12	8	6	5	6	7	7	7	8
1981	8	14	13	11	8	6	5	6	6	8	6	9
1982	9	14	15	6	7	4	5	6	8	8	7	11
1983	7	21	13	7	8	7	6	6	7	6	4	8
1984	5	22	11	9	10	5	5	7	6	6	6	8
BARLEY												
1980	14	8	6	8	10	5	5	6	8	8	9	13
1981	13	19	11	5	7	9	6	8	6	4	5	7
1982	9	19	7	3	5	7	6	9	6	10	8	11
1983	7	22	10	9	9	6	6	6	7	5	5	8
1984	8	28	8	6	6	5	6	5	6	6	6	10
OATS												
1980	12	9	7	8	8	8	8	9	8	7	6	10
1981	9	16	10	6	8	8	6	8	7	7	7	8
1982	11	18	8	6	5	9	6	7	7	9	6	8
1983	5	22	12	10	9	8	8	5	5	5	4	7
1984	9	22	12	7	8	9	6	5	6	6	4	6
FLAXSEED												
1980	7	8	9	13	22	10	6	5	4	4	5	7
1981	5	4	32	15	15	9	4	3	3	3	2	5
1982	4	7	36	11	12	5	3	2	2	4	3	11
1983	4	12	40	16	6	3	5	3	3	3	2	3
1984	2	14	25	12	10	5	13	4	4	3	6	2
RYE												
1980	14	16	9	13	6	9	7	8	4	2	7	5
1981	12	37	12	2	7	4	11	8	4	1	1	1
1982	22	28	4	12	11	1	1	1	1	4	1	14
1983	8	44	8	2	3	1	9	3	1	5	6	10
1984	10	18	4	3	1	6	10	10	13	1	15	9

Year	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July
POTATOES												
1980	1	8	6	14	12	17	16	16	8	1	1	--
1981	-	5	10	14	13	13	11	16	14	3	1	--
1982	-	10	8	7	8	14	11	17	17	7	1	--
1983	1	8	10	10	12	12	13	15	16	3	-	--
1984	-	8	11	11	11	12	12	16	12	6	1	--

Year	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
SUNFLOWER												
1980	8	13	16	12	6	4	5	8	9	11	6	2
1981	3	23	25	6	6	7	9	6	7	5	2	1
1982	1	9	21	15	8	5	7	10	8	9	4	3
1983	5	40	20	10	6	3	4	6	2	2	1	1
1984	-	14	39	9	6	3	5	8	6	7	2	1
SOYBEANS												
1980	8	18	19	4	3	5	1	12	7	11	9	3
1981	13	10	12	7	8	7	6	6	10	13	4	4
1982	2	16	21	14	4	7	2	10	7	7	7	3
1983	10	21	26	10	3	5	5	7	5	5	2	1
1984	4	23	11	7	14	5	6	5	7	6	9	3
DRY BEANS												
1980	24	34	16	10	8	3	1	1	0	0	0	0
1981	40	20	16	4	2	6	3	2	2	2	2	1
1982	23	27	7	8	6	5	5	4	5	5	2	3
1983	19	10	10	4	4	7	7	6	11	8	3	11
1984	32	9	9	11	10	4	6	7	3	6	2	1

Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
CORN												
1980	15	8	7	8	6	7	7	11	18	7	2	4
1981	7	34	7	11	13	7	4	2	6	5	2	2
1982	2	8	13	13	5	7	7	10	5	10	14	6
1983	14	28	6	11	6	11	6	3	5	5	2	3
1984	18	19	8	4	5	9	7	3	6	17	2	2

Year	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
ALL HAY												
1980	9	19	9	8	10	10	5	5	6	9	5	5
1981	2	3	6	5	7	19	14	14	12	9	8	1
1982	4	10	6	5	11	13	8	10	11	10	8	4
1983	1	4	8	7	7	13	9	15	6	14	12	4
1984	1	3	2	9	10	19	12	14	11	9	6	4

LIVESTOCK

DAIRY

POULTRY

NORTH DAKOTA LIVESTOCK

CATTLE

All cattle and calves totaled 2.0 million head on January 1, 1986, down 2 percent from January 1985 and 5 percent less than the 1984 total. This is the second consecutive yearly decline after the inventory reached 2.1 million head in 1984. The number of beef cows, heifers for beef cow replacement and calves declined from the 1985 level, while all other classes increased. Beef cow numbers fell 1 percent while the number of dairy cows was up 5 percent. The 1985 calf crop of 1,040,000 head was down 1 percent. There were 17,800 cattle operations during 1985, 700 fewer than 1984.

Value of cattle and calves on hand January 1 was estimated at $790.0 million, down 7 percent. Value per head fell to $395 from $415 in 1984.

HOGS

The December 1, 1985 hog and pig inventory totaled 285,000, up 12 percent from 1984, and the largest inventory since December 1979 when there were 370,000. Hog inventories over the past 10 years have fluctuated from a high of 370,000 in 1979 to a low of 210,000 in 1982. Breeding hogs increased 13 percent and the number of market hogs were up 12 percent. Number of farms with hogs in 1985 was 3,000 unchanged from 1984.

Average value per head, at $68.50 was down 9 percent from 1984. Total value of hogs and pigs was $19.5 million, up 1 percent.

SHEEP

A total of 180,000 sheep and lambs were on farms January 1, 1986, down 16 percent from the previous year. This is a record low number of sheep and the fourth consecutive year inventories have declined. Stock sheep and lamb numbers fell 15 percent to 140,000 head Wool production dropped 11 percent from 1984. The number of sheep shorn fell 7 percent and the average weight per fleece of 9.2 pounds was below the 9.6 in 1984. The value of wool production dropped 30 percent to total $937,000.

Livestock Inventory
January 1, North Dakota, 1977-86

Year	All Cattle	All Hogs 1/	All Sheep	All Chickens 1/
	- - - Thousand Head - - -			
1977	2,235	330	236	640
1978	2,050	320	213	600
1979	1,967	335	198	560
1980	2,000	370	236	520
1981	1,850	265	272	460
1982	2,000	280	280	500
1983	2,050	210	222	510
1984	2,100	260	219	625
1985	2,050	255	215	635
1986	2,000	285	180	540

1/ Relates to December 1 previous year.

DAIRY & POULTRY

Milk production for 1985 was 1,115 million pounds, up 6 percent from 1984 and the largest annual output since 1963. Average milk per cow was 11,040, up 5 percent from 1984 and 1 percent higher than the previous record of 10,900 in 1983. An average 101,000 cows were on farms during 1985, up 1,000 head from the 1984 average.

Farm value of the milk produced in 1985 was $127.1 million, down 2 percent from 1984 due to lower prices. The average price was $11.40 per hundredweight, 7 percent below 1984.

Chicken inventory on December 1, 1985 totaled 540,000, down 15 percent from the previous year. Number of laying age was down 12 percent from December 1984. Total value of chickens on December 1, 1985 at $1,080,000 was down 19 percent from 1984. Egg production fell 2 million from 1984 to total 118 million eggs.

Number of Livestock Farms by Specie and
Number of All Farms, North Dakota, 1976-85

Year	All Cattle	Milk Cows	Hogs	All Sheep	All Farms
	- - - Thousand - - -				
1976	24.5	6.0	5.1	2.0	41.5
1977	24.0	5.5	5.0	1.9	41.0
1978	22.0	5.1	4.8	1.8	41.0
1979	22.0	4.8	4.5	1.8	40.5
1980	21.0	4.2	4.0	2.1	40.0
1981	20.0	4.2	3.6	2.1	38.5
1982	19.2	4.0	2.8	2.2	37.0
1983	19.0	3.9	2.8	2.0	36.5
1984	18.5	3.7	3.0	2.1	35.5
1985	17.8	3.5	3.0	2.0	34.0

Commercial Livestock Slaughter
North Dakota, 1981-85

Year	Number	Average Liveweight Per Head	Total Liveweight	Red Meat Production
	(000 Hd.)	(Lbs.)	(000 Lbs.)	(000 Lbs.)
		CATTLE		
1981	165.7	1,060	175,693	NA
1982	170.0	1,071	182,003	NA
1983	159.0	1,083	172,142	NA
1984	182.3	1,065	194,125	NA
1985	161.4	1,088	175,479	NA
		HOGS		
1981	57.6	240	13,818	NA
1982	49.3	228	11,214	NA
1983	70.2	218	15,301	NA
1984	78.4	214	16,806	NA
1985	85.0	215	18,303	NA
		ALL SPECIES		
1981	224.7	NA	189,806	103,220
1982	220.6	NA	193,481	103,127
1983	230.6	NA	187,696	100,742
1984	262.1	NA	211,191	112,679
1985	247.6	NA	194,004	104,268

NA - Not Available

LIVESTOCK VALUES: North Dakota, January 1, 1982-86

Species	Value Per Head					Total Value				
	1982	1983	1984	1985	1986	1982	1983	1984	1985	1986
	- - - - - - Dollars - - - - -					- - - - - Thousand Dollars - - - - -				
All Cattle	430.00	420.00	420.00	415.00	395.00	860,000	861,000	882,000	850,750	790,000
All Hogs 1/	58.50	94.00	64.00	75.50	68.50	16,380	19,740	16,640	19,253	19,523
All Sheep	54.50	47.00	48.00	55.00	66.00	15,260	10,434	10,512	11,825	11,880
All Chickens 1/	2.20	1.80	2.00	2.10	2.00	1,100	918	1,250	1,334	1,080

1/ Relates to December 1 previous year.

CATTLE

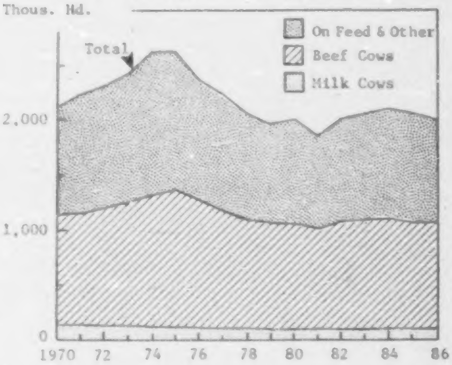
Cattle Inventory Numbers, North Dakota, Specified Dates, 1982-86

Class	January 1 1982	1983	1984	1985	1986
	- - - - - -	-	Thousand Head	-	- - - - - -
ALL CATTLE	2,000	2,050	2,100	2,050	2,000
Cows & Heifers that have calved	1,070	1,100	1,092	1,061	1,060
Beef	978	1,005	993	964	958
Milk	92	95	99	97	102
Heifers over 500 lbs.	233	239	269	297	310
Beef Replacement	130	130	145	148	134
Milk Replacement	21	25	26	29	36
Other	82	84	98	120	140
Steers over 500 lbs.	160	162	189	195	210
Bulls over 500 lbs.	50	49	52	49	50
Steers, Heifers & Bulls under 500 lbs.	487	500	498	448	370

CATTLE: Production, Disposition & Income, North Dakota, 1982-85

Item	Unit	1982	1983	1984	1985
Number on Hand Beginning of Yr.	000 Head	2,000	2,050	2,100	2,050
Calves Born	000 Head	1,020	1,030	1,050	1,040
Inshipments	000 Head	64	81	80	85
Marketings:					
Cattle	000 Head	612	666	748	702
Calves	000 Head	322	313	335	380
Total	000 Head	934	979	1,083	1,082
Farm Slaughter	000 Head	6	7	6	8
Deaths:					
Cattle	000 Head	22	20	21	20
Calves	000 Head	72	55	70	65
Total	000 Head	94	75	91	85
Number on Hand End of Year	000 Head	2,050	2,100	2,050	2,000
Production	000 Lbs.	759,610	819,470	836,260	832,820
Marketings	000 Lbs.	744,940	805,060	891,130	873,030
Price/100 Lbs.:					
Cattle	Dollars	52.30	52.90	52.70	53.30
Calves	Dollars	60.10	62.80	62.30	64.10
All Classes	Dollars	53.44	54.20	53.92	54.89
Cash Receipts	000 Dols.	398,105	436,379	480,520	479,238
Value of Home Consumption	000 Dols.	6,551	7,292	7,156	7,874
Gross Income	000 Dols.	404,656	443,671	487,676	487,112

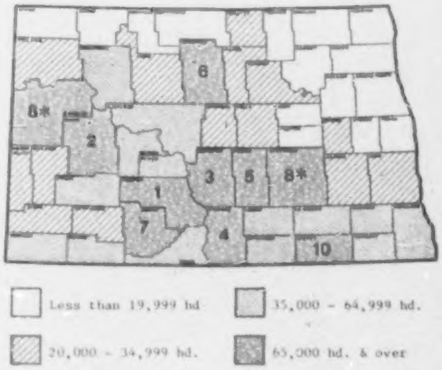
CATTLE & CALVES ON FARMS
North Dakota, January 1, 1970-86



HISTORIC CATTLE INVENTORY NUMBERS,
North Dakota, January 1, 1977-86

Year	Cows That Have Calved Beef	 Dairy	On Feed	Other	Total Cat'le & Calves
	- - - - -		Thousand Head		- - - - -
1977	1,065	108	35	1,027	2,235
1978	976	104	33	937	2,050
1979	962	96	34	875	1,967
1980	962	93	39	906	2,000
1981	910	93	37	810	1,850
1982	978	92	36	894	2,000
1983	1,005	95	39	911	2,050
1984	.993	99	35	973	2,100
1985	964	97	38	951	2,050
1986	958	102	42	898	2,000

DISTRIBUTION OF ALL CATTLE BY COUNTIES,
North Dakota, January 1, 1986



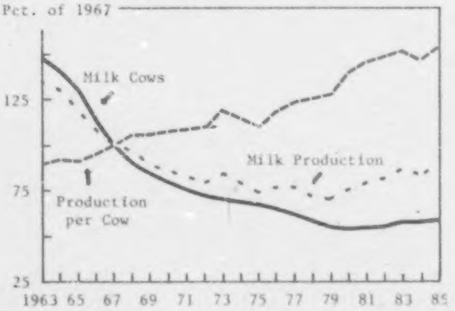
* Denotes tie in rankings.

DAIRY

MILK: Production, Disposition & Income, North Dakota, 1984-85

Item	Unit	1984	1985
Average Number of Milk Cows on Farms	000 Head	10C	101
Production of Milk and Milkfat			
a) Per Cow, Milk	Pounds	10,550	11,040
b) Per Cow, Milkfat	Pounds	382	399
c) Percent of fat in Milk	Percent	3.62	3.61
d) Total:			
Milk	Mil. Lbs.	1,055	1,115
Milkfat	Mil. Lbs.	38.2	40.3
Milk Used on Farms Where Produced			
a) Fed to Calves	Mil. Lbs.	31	36
b) Used for milk cream & butter	Mil. Lbs.	9	8
c) Total	Mil. Lbs.	40	44
Milk Marketed by Farmers			
Sold to plants & dealers as whole milk 1/	Mil. Lbs.	1,015	1,071
Percent fluid grade	Percent	47	47
Combined Marketing of Milk and Cream			
a) Milk utilized	Mil. Lbs.	1,015	1,071
b) Average returns			
1. Per 100 lbs. of milk	Dollars	12.30	11.40
2. Per lb. of milkfat	Dollars	3.40	3.16
c) Cash Receipts from marketing	000 Dols.	124,845	122,094
Used for Milk, Cream and Butter on Farms Where Produced			
a) Milk utilized	Mil. Lbs.	9	8
b) Value	000 Dols.	1,107	912
Gross Producer Income 2/	000 Dols.	125,952	123,006
Farm Value of Milk Produced	000 Dols.	129,765	127,110

1/ Includes small amount of farm skimmed cream and milk and cream retailed directly to consumer by producers.
2/ Cash receipts plus value of milk used for home consumption.



Index of Milk Production, Number of Milk Cows and Milk per Cow
North Dakota, 1963-85 (1967=100)

MILK PRODUCTION: Cows Milked, Production per Cow & Total Production, North Dakota, by Months, 1984-85

Month	No. of Cows Milked		Production per Cow		Total Milk Produced	
	1984	1985	1984	1985	1984	1985
	(000 Hd.)		(Lbs.)		(Mil. Lbs.)	
Jan.	99	97	880	865	87	84
Feb.	99	97	860	815	85	79
Mar.	98	98	940	930	92	91
Apr.	99	102	950	950	94	97
May	101	104	1,030	1,060	104	110
June	102	104	1,020	1,060	104	110
July	101	102	960	1,020	97	104
Aug.	101	102	840	930	85	95
Sept.	101	102	750	830	76	85
Oct.	100	102	760	850	76	87
Nov.	99	102	750	820	74	84
Dec.	98	102	830	870	81	89
ANNUAL 1/	100	101	10,550	11,040	1,055	1,115

1/ Average number on farms during year.

MONTHLY AMERICAN CHEESE & BUTTER PRODUCTION North Dakota, 1984-85

Month	American Cheese		Butter	
	1984	1985	1984	1985
	- - Thousand		Pounds - -	
Jan.	4,254	3,993	453	505
Feb.	3,932	3,535	346	416
Mar.	4,506	4,214	361	535
Apr.	4,764	4,668	400	571
May	5,220	5,530	523	569
June	5,227	5,907	426	502
July	5,101	5,497	424	482
Aug.	4,160	4,926	374	295
Sept.	3,650	4,203	304	350
Oct.	3,673	3,871	381	401
Nov.	3,796	3,701	420	375
Dec.	4,135	3,946	481	478
Total	52,418	53,991	4,893	5,479

Source: See table below.

MANUFACTURED DAIRY PRODUCTS PRODUCTION North Dakota, 1984-85

Item	1984	1985
	- 000 Lbs. -	
Butter	4,893	5,479
American Cheese	52,418	53,991
Cottage Cheese Creamed	2,627	2,459
Lowfat Cottage Cheese	3,482	3,705
Non-Fat Dry Milk: Human Food	5,502	7,664
Dry Buttermilk	224	295
	- 000 Gals. -	
Ice Cream	2,233	2,225
Ice Milk	964	928
Milk Sherbet	183	214
Ice Cream Mix	859	820
Ice Milk Mix	747	735
Milk Sherbet Mix	112	148

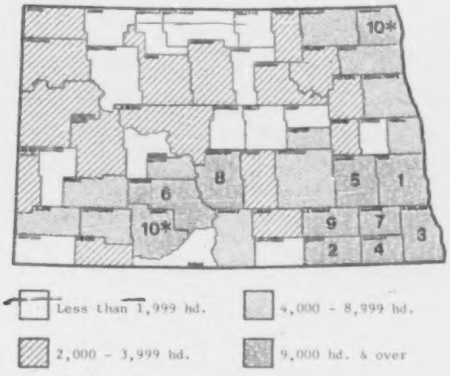
Source: N.D. State Dairy Commissioner and N.D. Agricultural Statistics Service cooperating.

HOGS

Hog and Pig Inventory Numbers, North Dakota, Specified Dates, 1981-85

Class	1981		1982		1983		1984		1985	
	June 1	December 1	December 1		December 1		December 1		December 1	
	- - - - - - - - Thousand Head - - - - - - - -									
ALL HOGS & PIGS	300	280	210		260		255		285	
Kept for Breeding	44	40	34		33		31		35	
Market	256	240	176		227		224		250	
Market Hogs & Pigs										
Under 60 Lbs.	142	72	58		75		85		86	
60-119 Lbs.	56	81	50		63		68		71	
120-179 Lbs.	31	58	36		51		40		53	
180 Lbs. & Over	27	29	32		38		31		40	
	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall
PIG CROP										
Sows Farrowed	33	32	28	23	30	28	27	26	30	29
Pigs per Litter	7.2	7.4	7.1	7.4	7.7	7.3	8.0	7.6	7.8	7.7
Pig Crop	238	237	199	170	231	204	216	198	234	223

DISTRIBUTION OF ALL HOGS BY COUNTIES,
North Dakota, December 1, 1985



*Denotes tie in rankings.

HOGS: Production, Disposition & Income, North Dakota, 1982-85

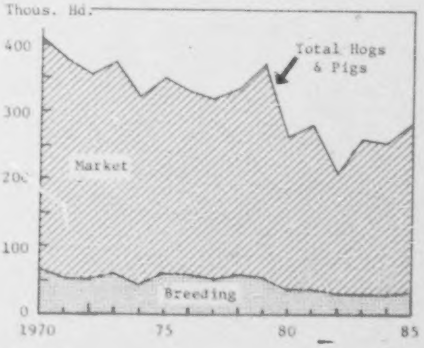
Item	Unit	1982	1983	1984	1985
Number on Hand Beginning of Yr. 1/	000 Head	280	210	260	255
Pig Crop	000 Head	369	435	414	457
Inshipments	000 Head	16	17	15	19
Marketings	000 Head	403	365	402	421
Farm Slaughter	000 Head	7	7	7	5
Deaths	000 Head	45	30	25	20
Number on Hand End of Yr.	000 Head	210	260	255	285
Production	000 Lbs.	75,483	81,554	76,925	87,015
Marketings	000 Lbs.	80,875	74,345	77,645	80,790
Price/100 Lbs.	Dollars	48.60	43.00	44.00	41.70
Cash Receipts	000 Dols.	40,680	32,472	34,887	34,475
Value of Home Consumption	000 Dols.	1,565	1,385	1,417	897
Gross Income	000 Dols.	42,245	33,857	36,304	35,372

1/ December 1 preceding year.

HISTORIC HOG INVENTORY NUMBERS
North Dakota, December 1, 1976-85

Year	Breeding	Market	Total	Year	Breeding	Market	Total
	- - - - - Thousand Head - - - - -						
1976	59	271	330	1981	40	240	280
1977	54	266	320	1982	34	176	210
1978	61	274	335	1983	33	227	260
1979	56	314	370	1984	31	224	255
1980	40	225	265	1985	35	250	285

HOGS AND PIGS ON FARMS
North Dakota, December 1, 1970-85

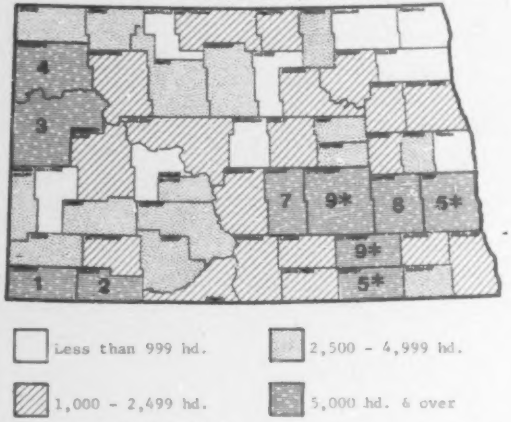


SHEEP

SHEEP: Inventory Numbers,
North Dakota, January 1, 1982-86

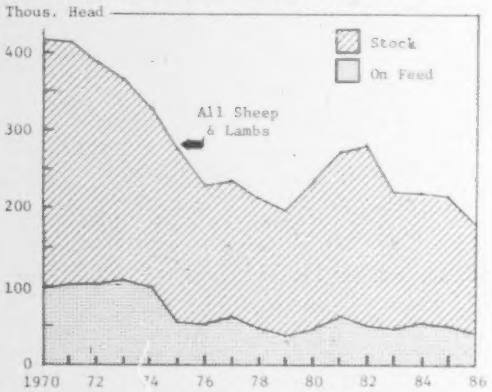
Class	1982	1983	1984	1985	1986
	- - Thousand Head - -				
All Sheep & Lambs	280	222	219	215	180
Number on Feed	50	47	54	50	40
Total Stock Sheep	230	175	165	165	140
Ewes 1 year plus	165	138	134	140	120
Ewe Lambs	46	25	21	15	13
Wether & Ram Lambs	12	7	5	5	3
Rams & Wether 1 year 1 year plus	7	5	5	5	4

DISTRIBUTION OF ALL SHEEP BY COUNTIES,
North Dakota, January 1, 1986



* Denotes tie in rankings.

SHEEP AND LAMBS ON FARMS
North Dakota, January 1, 1970-86



HISTORIC SHEEP INVENTORY NUMBERS
North Dakota, January 1, 1977-86

Year	On Feed	Stock Sheep	Total	Year	On Feed	Stock Sheep	Total
	--- 000 Head ---				--- 000 Head ---		
1977	62	174	236	1982	50	230	280
1978	48	165	213	1983	47	175	222
1979	38	160	198	1984	54	165	219
1980	46	190	236	1985	50	165	215
1981	62	210	272	1986	40	140	180

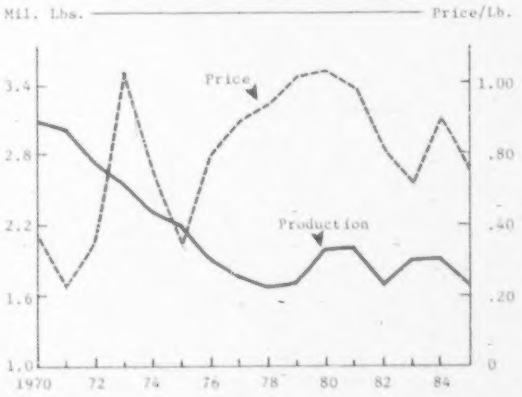
SHEEP & LAMBS
Production, Disposition & Income, North Dakota, 1982-85

Item	Unit	1982	1983	1984	1985
Number on Hand Beginning of Yr.	000 Head	280	222	219	215
Lambs Saved	000 Head	190	170	180	160
Inshipments	000 Head	14	18	17	18
Marketings:					
Sheep	000 Head	74	23	10	38
Lambs	000 Head	145	134	151	146
Total	000 Head	219	157	161	184
Farm Slaughter	000 Head	1	1	1	1
Deaths:					
Sheep	000 Head	17	15	17	10
Lambs	000 Head	25	18	22	18
Total	000 Head	42	33	39	28
Number on Hand End of Year	000 Head	222	219	215	180
Production	000 Lbs.	14,871	13,950	14,281	14,284
Marketings	000 Lbs.	22,941	15,510	15,438	19,975
Price/100 Lbs.:					
Sheep	Dollars	13.80	13.80	12.60	18.80
Lambs	Dollars	48.00	50.60	57.80	65.30
All Classes	Dollars	34.21	43.78	54.32	54.24
Cash Receipts	000 Dols.	7,848	6,790	8,386	10,835
Value of Home Consumption	000 Dols.	100	101	121	144
Gross Income	000 Dols.	7,948	6,891	8,507	10,979

Wool

Item	Unit	1982	1983	1984	1985
Sheep Shorn	000 Head	180	200	200	185
Production	000 Lbs.	1,701	1,905	1,919	1,704
Fleece Weight	Pounds	9.5	9.5	9.6	9.2
Price/Lb.	Dollars	61	51	70	55
Value of Production	000 Dols.	1,038	972	1,343	937

WOOL PRODUCTION AND PRICE,
North Dakota, 1970-85



POULTRY & HONEY

Chicken Inventory by Class,
North Dakota, December 1, 1981-85

Class	1981	1982	1983	1984	1985
	- - Thousand Head - -				
ALL CHICKENS	500	510	625	635	540
Laying Age	420	402	583	500	440
Hens	210	241	125	215	275
Pullets	210	161	458	285	165
Other	80	108	42	135	100

EGG PRODUCTION: Average Number of Layers
and Total Egg Production
by Quarters, North Dakota, 1981-85

Quarter	Average Number of Layers				
	1981	1982	1983	1984	1985 1/
	(000 Layers)				
Dec.*-Feb.	393	420	400	537	500
Mar.-May	400	423	457	487	495
June-Aug.	388	409	520	492	473
Sept.-Nov.	403	398	553	500	448
Annual	396	413	483	504	479
	Eggs Produced (Mil. Eggs)				
Dec.*-Feb.	21	26	24	32	31
Mar.-May	23	27	30	29	31
June-Aug.	22	26	32	29	29
Sept.-Nov.	23	23	33	30	27
Annual	89	102	119	120	118

1/ Preliminary. *December preceding year.

POULTRY: Production, Disposition & Income,
North Dakota, 1982-85

Item	Unit	1982	1983	1984	1985
CHICKENS					
Raised	000 Birds	850	770	720	NA
Lost	000 Birds	180	150	170	150
Produced	000 Birds	670	620	550	NA
Consumed on Farms	000 Birds	200	105	100	NA
Sold	000 Birds	460	400	440	400
Lbs. Produced	000 Lbs.	2,681	2,666	2,142	1,600
Consumed on Farms	000 Lbs.	760	399	380	NA
Price/Lb.	Cents	6.0	7.0	8.0	10.0
Cash Receipts	000 Dols.	116	118	148	NA
Value of Chickens Consumed	000 Dols.	46	28	30	NA
Gross Income	000 Dols.	162	146	178	160
EGGS					
Number of Layers During Year	000 Birds	413	483	504	479
Eggs per Layer	Number	247	246	238	246
Eggs Produced	Mil. Eggs	102	119	120	118
Eggs Consumed on Farms	Mil. Eggs	5	6	6	NA
Eggs Sold	Mil. Eggs	96	113	114	NA
Price/Dozen	Cents	37.0	53.0	66.0	42.0
Cash Receipts	000 Dols.	2,960	4,991	6,270	NA
Value of Eggs Consumed on Farms	000 Dols.	185	265	330	NA
Value of Production	000 Dols.	3,145	5,256	6,600	4,130
TURKEYS					
Number Raised 1/	000 Head	930	760	870	890
Production	000 Lbs.	16,740	14,136	17,052	19,046
Price/Lb.	Cents	39.0	32.0	44.0	47.0
Value of Production	000 Dols.	6,529	4,524	7,503	8,952

1/ Based on turkeys hatched September 1 to August 31. Excludes young turkeys lost. NA - Not available, estimates discontinued.

Colonies of Bees, Honey and Beeswax Production and Prices, North Dakota, 1977-82

Year	Honey						Beeswax		
	Colonies	Yield Per Colony	Production	Price Per Pound	Total Value	Stocks On Hand	Production	Price Per Pound	Total Value
	(000)	(Lbs.)	(000 Lbs.)	(Dols.)	(000 $)	(000 Lbs.	(000 Lbs.)	(Dols.)	(000 $)
1977	136	88	11,968	.490	5,864	1,077	168	1.63	274
1978	160	128	20,480	.471	9,646	2,600	348	1.81	630
1979	190	120	22,800	.519	11,833	3,648	365	1.83	668
1980	220	65	14,300	.528	7,550	2,145	257	1.95	501
1981	265	87	23,055	.550	12,680	5,994	369	1.99	734
1982	- - - - - Estimates Discontinued - - - - -								

ALL CATTLE

All Cattle Inventory, North Dakota, January 1

District and County	5-Year Average 1981-85 1/	Number on Farms 1984	1985	1986
	- - - - Number of Head - - - -			
Burke	15,200	15,000	14,000	12,000
Divide	15,000	15,000	14,000	13,000
Mountrail	35,400	37,000	35,000	35,000
Renville	9,000	9,000	9,000	8,000
Ward	40,200	42,000	39,000	33,000
Williams	31,200	32,000	29,000	26,000
Northwest	146,000	150,000	140,000	127,000
Benson	32,200	34,000	32,000	32,000
Bottineau	20,800	21,000	19,000	18,000
McHenry	70,200	76,000	75,000	73,000
Pierce	28,600	29,000	28,000	26,000
Rolette	23,800	25,000	23,000	23,000
North Central	175,600	185,000	177,000	172,000
Cavalier	9,800	10,000	9,000	9,000
Grand Forks	15,600	15,000	16,000	16,000
Nelson	17,200	18,000	17,000	18,000
Pembina	10,400	10,000	11,000	10,000
Ramsey	8,800	9,000	9,000	9,000
Towner	8,000	8,000	8,000	8,000
Walsh	19,200	19,000	18,000	19,000
Northeast	89,000	89,000	88,000	89,000
Dunn	91,800	95,000	99,000	94,000
McKenzie	81,000	85,000	77,000	70,000
McLean	49,800	53,000	50,000	52,000
Mercer	45,600	50,000	49,000	46,000
Oliver	37,200	39,000	40,000	36,000
West Central	305,400	322,000	315,000	298,000
Eddy	20,800	21,000	21,000	19,000
Foster	24,000	21,000	20,000	18,000
Kidder	73,200	74,000	72,000	74,000
Sheridan	30,200	30,000	29,000	30,000
Stutsman	73,200	75,000	75,000	70,000
Wells	29,800	31,000	30,000	31,000
Central	251,200	252,000	247,000	242,000
Barnes	32,800	34,000	31,000	32,000
Cass	29,600	31,000	30,000	27,000
Griggs	21,800	23,000	23,000	23,000
Steele	7,000	7,000	7,000	7,000
Traill	7,800	7,000	7,000	7,000
East Central	99,000	102,000	98,000	96,000
Adams	33,800	37,000	39,000	37,000
Billings	31,400	33,000	32,000	30,000
Bowman	33,200	37,000	36,000	35,000
Golden Valley	28,800	31,000	32,000	32,000
Hettinger	29,200	31,000	31,000	28,000
Slope	30,000	33,000	33,000	31,000
Stark	61,400	67,000	67,000	60,000
Southwest	247,800	269,000	270,000	253,000
Burleigh	73,000	79,000	72,000	79,000
Emmons	72,800	77,000	79,000	75,000
Grant	73,000	80,000	78,000	71,000
Morton	106,000	110,000	107,000	110,000
Sioux	35,000	38,000	39,000	40,000
South Central	359,800	384,000	375,000	375,000
Dickey	61,000	60,000	61,000	65,000
LaMoure	41,600	42,000	41,000	42,000
Logan	61,000	64,000	61,000	58,000
McIntosh	53,800	57,000	60,000	63,000
Ransom	36,000	37,000	36,000	38,000
Richland	44,000	48,000	45,000	44,000
Sargent	38,800	39,000	36,000	38,000
Southeast	336,200	347,000	340,000	348,000
STATE	2,010,000	2,100,000	2,050,000	2,000,000

MILK COWS

Milk Cow Inventory, North Dakota, January 1

District and County	5-Year Average 1981-85 1/	Number on Farms 1984	1985	1986
	- - - - Number of Head - - - -			
Burke	400	300	300	300
Divide	200	200	200	200
Mountrail	1,300	1,400	1,200	1,200
Renville	700	700	600	600
Ward	2,000	2,100	2,100	2,100
Williams	400	300	400	400
Northwest	5,000	5,000	4,800	4,800
Benson	1,700	1,700	1,600	1,700
Bottineau	500	400	400	400
McHenry	3,200	3,800	3,300	3,800
Pierce	2,300	2,100	2,000	2,100
Rolette	600	600	600	600
North Central	8,300	8,600	7,900	8,600
Cavalier	300	300	300	300
Grand Forks	1,100	1,100	1,100	1,200
Nelson	1,000	1,000	900	900
Pembina	200	200	200	200
Ramsey	400	500	500	600
Towner	300	300	300	300
Walsh	900	800	800	800
Northeast	4,200	4,200	4,100	4,300
Dunn	1,700	1,600	1,500	1,700
McKenzie	500	500	500	600
McLean	2,300	2,400	2,100	2,100
Mercer	1,600	1,700	1,700	1,900
Oliver	2,400	2,600	2,700	3,000
West Central	8,500	8,800	8,500	9,300
Eddy	700	700	700	800
Foster	400	400	400	500
Kidder	3,100	3,100	3,000	3,200
Sheridan	1,700	1,600	1,800	2,000
Stutsman	4,800	4,900	5,000	5,400
Wells	1,600	1,500	1,500	1,600
Central	12,300	12,200	12,400	13,500
Barnes	1,600	1,600	1,700	1,800
Cass	900	900	800	1,000
Griggs	1,100	1,200	1,100	1,100
Steele	200	200	200	200
Traill	400	300	300	400
East Central	4,200	4,200	4,100	4,500
Adams	500	500	400	400
Billings	400	500	500	500
Bowman	400	300	400	500
Golden Valley	900	1,000	900	800
Hettinger	2,500	2,800	2,800	2,700
Slope	600	500	500	500
Stark	4,600	4,600	4,500	4,300
Southwest	9,800	10,200	10,000	9,700
Burleigh	2,400	2,500	2,100	1,900
Emmons	7,100	7,800	7,800	8,000
Grant	4,400	4,900	4,800	5,100
Morton	7,600	8,200	8,000	8,400
Sioux	1,100	1,300	1,300	1,400
South Central	22,600	24,700	24,000	24,800
Dickey	2,300	2,200	2,500	2,800
LaMoure	3,900	4,000	4,000	4,000
Logan	4,200	4,600	4,700	5,000
McIntosh	4,700	5,100	4,800	5,500
Ransom	1,200	1,200	1,200	1,200
Richland	2,300	2,500	2,600	2,700
Sargent	1,500	1,500	1,400	1,300
Southeast	20,100	21,100	21,200	22,500
STATE	95,200	99,000	97,000	102,000

1/ Totals may not add due to rounding.

HOGS

Hog & Pig Inventory, North Dakota, December 1

SHEEP

Sheep Inventory, North Dakota, January 1

District and County	5-Year Average 1980-84 1/	Number on Farms			5-Year Average 1981-85 1/	Number on Farms		
		1983	1984	1985		1984	1985	1986
	- - - - Number of Head - - - -				- - - - Number of Head - - - -			
Burke	500	400	500	700	3,500	3,800	3,800	2,800
Divide	1,700	1,500	1,700	2,200	2,400	2,500	2,600	2,600
Mountrail	1,100	1,200	1,000	1,000	4,200	3,500	2,600	1,800
Renville	600	600	600	700	700	400	400	400
Ward	2,600	2,400	2,700	3,400	5,200	5,400	4,800	3,600
Williams	1,500	1,600	1,700	2,000	8,200	10,400	8,800	7,800
Northwest	8,000	7,700	8,200	10,000	24,200	26,000	23,000	19,000
Benson	2,600	2,700	2,700	2,400	2,400	2,000	1,800	1,500
Bottineau	1,300	1,300	1,400	1,700	2,700	1,900	1,700	1,400
McHenry	2,700	2,000	2,200	2,800	4,600	4,400	3,800	3,600
Pierce	700	600	500	600	1,600	1,100	1,100	900
Rolette	1,300	1,200	1,100	1,000	3,100	2,600	2,600	2,100
North Central	8,500	7,800	7,900	8,500	14,300	12,000	11,000	9,500
Cavalier	4,000	3,200	4,000	4,800	1,100	700	600	600
Grand Forks	5,200	5,400	5,500	6,000	3,100	2,900	3,000	2,300
Nelson	2,300	2,200	2,000	2,000	2,600	2,000	2,200	1,700
Pembina	7,500	8,200	8,200	9,800	1,500	1,200	900	600
Ramsey	1,900	1,900	2,000	2,500	1,500	1,300	1,300	1,300
Towner	1,700	1,700	1,800	2,000	3,600	4,400	3,600	2,800
Walsh	6,600	6,600	7,100	8,900	1,200	1,000	900	700
Northeast	29,300	29,200	30,600	36,000	14,600	13,500	12,500	10,000
Dunn	2,800	2,800	2,900	3,300	2,600	2,200	2,400	1,700
McKenzie	1,700	1,800	2,400	2,900	16,700	14,500	17,000	12,700
McLean	3,200	3,100	3,200	3,900	2,800	2,600	2,600	2,000
Mercer	1,500	1,600	1,300	1,400	1,400	1,000	900	700
Oliver	5,100	5,700	5,700	6,500	2,800	3,200	3,100	2,900
West Central	14,400	15,000	15,500	18,000	26,400	23,500	26,000	20,000
Eddy	900	800	700	500	5,700	5,100	4,600	3,400
Foster	3,400	3,500	4,300	4,600	4,000	3,000	2,800	2,500
Kidder	2,800	3,200	3,000	2,700	9,600	8,000	7,800	5,900
Sheridan	1,300	1,200	1,300	1,500	900	700	600	400
Stutsman	6,600	7,200	6,800	6,500	8,900	7,500	6,700	5,000
Wells	2,100	2,100	1,900	1,700	4,200	3,700	3,000	2,300
Central	17,100	18,000	18,000	17,500	33,300	28,000	25,500	19,500
Barnes	10,900	11,500	10,000	12,500	5,300	4,500	5,300	5,400
Cass	20,700	19,500	20,500	26,000	10,300	8,500	9,500	7,600
Griggs	2,000	1,600	2,000	2,500	2,600	2,300	2,000	1,700
Steele	900	800	700	800	3,300	2,800	2,800	2,600
Traill	5,100	4,600	4,500	4,200	1,400	900	900	700
East Central	39,600	38,000	37,700	46,000	22,900	19,000	20,500	18,000
Adams	1,800	2,000	2,000	2,300	10,700	11,700	13,000	13,000
Billings	300	400	400	400	500	500	600	700
Bowman	1,700	1,900	1,600	1,600	26,200	26,200	25,000	22,500
Golden Valley	3,800	3,800	3,200	2,800	3,900	3,700	4,000	4,000
Hettinger	7,100	5,800	7,200	7,600	1,500	1,100	1,000	1,000
Slope	3,300	3,500	4,300	4,700	4,000	4,000	4,400	4,600
Stark	5,900	5,600	5,600	5,600	4,300	3,800	4,000	4,200
Southwest	24,100	23,000	24,300	25,000	50,900	51,000	52,000	50,000
Burleigh	8,600	9,900	10,500	10,800	3,200	2,100	2,300	1,700
Emmons	5,600	6,000	5,400	5,600	1,600	1,500	1,400	1,000
Grant	10,900	11,600	11,000	9,800	6,900	5,200	4,800	3,200
Morton	10,700	12,000	10,800	12,000	6,200	5,200	4,900	3,600
Sioux	1,400	1,500	1,100	800	1,700	2,000	2,100	2,000
South Central	37,200	41,000	38,800	39,000	19,700	16,000	15,500	11,500
Dickey	15,300	16,000	17,000	20,500	10,000	9,200	9,500	7,600
LaMoure	9,400	11,000	8,000	10,000	6,800	5,800	6,000	5,000
Logan	1,800	2,000	1,700	2,200	2,600	2,400	1,900	1,400
McIntosh	2,600	2,600	2,000	1,800	2,800	1,900	1,800	1,300
Ransom	9,200	9,500	8,800	11,000	5,300	3,800	3,000	2,000
Richland	22,900	23,000	21,500	20,000	3,200	3,300	2,900	2,400
Sargent	14,600	16,200	15,000	19,500	4,700	3,600	3,900	2,800
Southeast	75,800	80,300	74,000	85,000	35,300	30,000	29,000	22,500
STATE	254,000	260,000	255,000	285,000	241,600	219,000	215,000	180,000

1/ Totals may not add due to rounding.

HISTORIC LIVESTOCK ESTIMATES

MEAT ANIMALS (Cattle, Sheep & Hogs): Production & Income, North Dakota, 1966-85

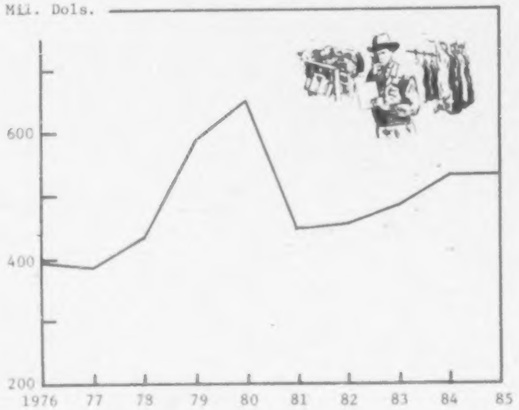
Year	Production	Marketings	Avg. Price per 100 Lbs.	Value of Production	Cash Receipts	Value of Home Consumption	Gross Income
	- - - 000 Lbs. - - -		(Dols.)	- - - - - - - - - - 000 Dollars - - - - - - - - - -			
1966	931,499	994,891	21.96	206,146	218,452	7,125	225,577
1967	925,370	1,023,607	21.78	200,545	222,896	7,150	230,046
1968	880,648	939,228	22.70	199,070	213,198	8,287	221,485
1969	852,366	828,853	25.83	220,779	214,056	8,151	222,207
1970	894,029	818,837	26.78	241,618	219,307	9,317	228,624
1971	996,562	932,374	27.17	273,767	253,347	9,782	263,129
1972	1,003,695	922,526	33.55	339,535	309,501	10,345	319,846
1973	1,046,453	896,622	44.57	467,914	399,655	14,335	413,990
1974	1,117,314	1,082,104	34.01	379,795	368,009	14,828	382,837
1975	1,018,448	1,203,866	31.15	321,860	375,020	9,902	384,922
1976	977,472	1,112,526	34.62	340,174	385,138	10,430	395,568
1977	870,004	1,060,853	35.59	312,232	377,556	10,001	387,557
1978	782,866	833,097	50.46	392,701	420,395	16,764	437,159
1979	863,865	843,432	67.73	582,259	571,269	16,589	587,858
1980	934,292	1,045,550	60.87	563,886	636,380	15,743	652,123
1981	905,927	799,762	54.70	496,159	437,431	10,475	447,906
1982	849,964	848,756	52.62	449,466	446,633	8,216	454,849
1983	914,974	894,935	53.15	485,509	475,641	8,778	484,419
1984	927,466	984,213	53.22	491,691	523,793	8,694	532,487
1985	934,119	973,795	53.87	500,302	524,548	8,915	533,463

Cattle & Hog Inventory and Number of Farms
North Dakota, 1962-86

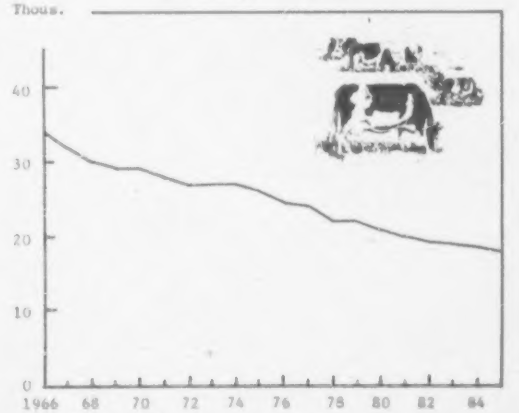
Year	Cattle		Hogs	
	Jan. 1 Inventory	No. of Farms	Dec. 1 1/ Inventory	No. of Farms
	(000 Hd.)	(000)	(000 Hd.)	(000)
1962	1,881	38.0	345	19.0
1963	2,088	38.0	328	16.5
1964	2,318	37.0	371	13.5
1965	2,411	35.0	341	11.0
1966	2,315	34.0	290	11.5
1967	2,292	32.0	331	10.5
1968	2,154	30.0	328	9.5
1969	2,068	29.0	321	8.0
1970	2,110	29.0	302	8.5
1971	2,230	28.0	408	9.0
1972	2,319	27.0	379	7.7
1973	2,435	27.0	356	7.4
1974	2,635	27.0	374	6.4
1975	2,635	26.0	322	5.0
1976	2,380	24.5	350	5.1
1977	2,235	24.0	330	5.0
1978	2,050	22.0	320	4.8
1979	1,967	22.0	335	4.5
1980	2,000	21.0	370	4.0
1981	1,850	20.0	265	3.6
1982	2,000	19.2	280	2.8
1983	2,050	19.0	210	2.8
1984	2,100	18.5	260	3.0
1985	2,050	17.8	255	3.0
1986	2,000	NA	285	NA

1/ December 1 previous year. NA - Not available.

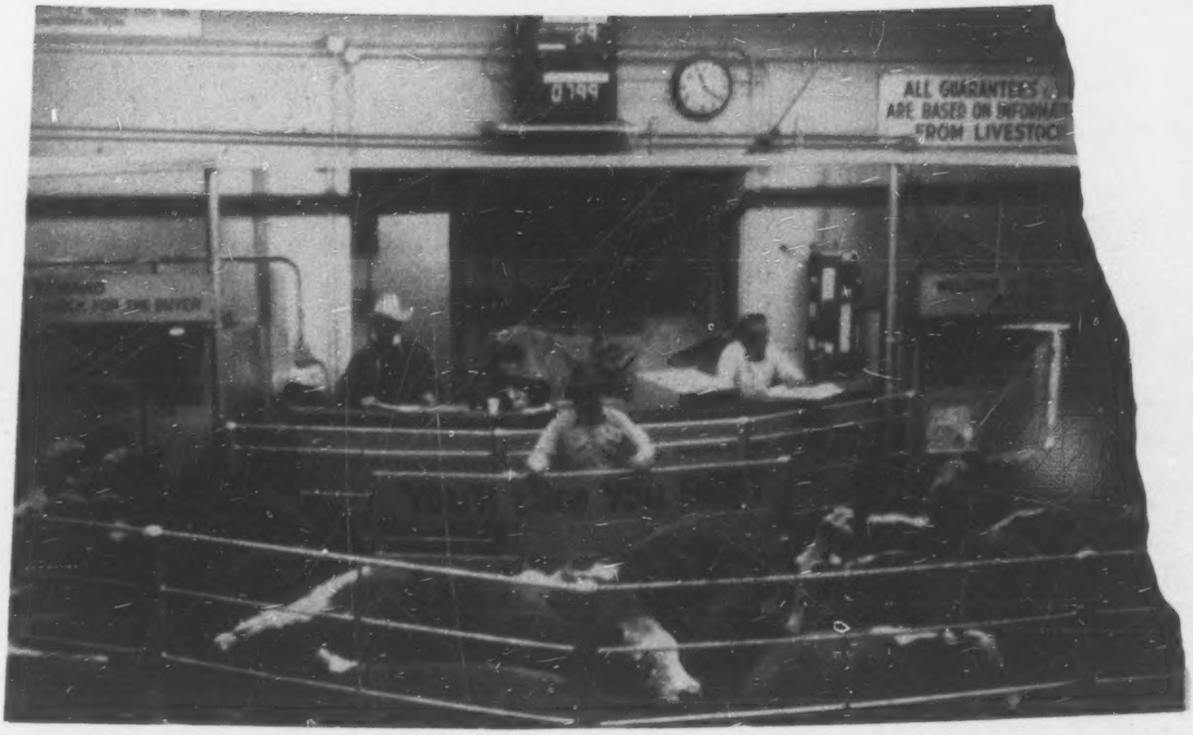
GROSS INCOME FROM MEAT ANIMALS
North Dakota, 1976-85



NUMBER OF CATTLE OPERATIONS
North Dakota, 1966-85



PRICES


ALL GUARANTEES
ARE BASED ON INFORMA
FROM LIVESTOCK
FOR THE BUYER

NORTH DAKOTA PRICES

Prices for all farm commodities, as a group, averaged 9 percent lower during 1985, than for 1984. This is based on the Index of Prices Received for All Farm Products which averaged 132 percent of its 1977 base for 1985 compared to 145 for the previous year. The Index reached a record high of 160 in 1980 with other highs of 157 in 1974 and 154 in 1981.

The All Crops Index for 1985, at 128, was 11 percent below the average for 1984, while the All Livestock and Products Index was 1 percent lower at 146.

Prices received by farmers for the 1985 crop marketing season averaged lower than a year earlier for all major crops except hay. The season average price for spring wheat fell 3 percent, while durum wheat and barley prices fell 14 and 10 percent, respectively. Average prices for other crops ranged from 26 percent lower for oats and sunflower to 22 percent higher for hay.

Average prices for livestock and products during 1985 ranged from a 36 percent decrease for eggs to a 49 percent increase for sheep. Calves, lambs, chickens and turkeys were up, while prices were lower for steers and heifers, cows, hogs, milk cows, milk and wool.

Season average prices for crops are computed by weighting monthly average prices by the estimated percentage of sales made each month during the marketing year. These prices include allowances for unredeemed loans and government purchases, if any. Calendar year averages are simple averages of the monthly prices listed.

Annual average prices for livestock are computed by weighting monthly prices by the estimated percentage of the calendar year sales made each month.

Prices for all small grains, soybeans, dry edible beans, corn and sunflower are collected from a probability sample of mills and elevators, and are based on sales for the entire month. These prices reflect actual purchases, and include any premiums or discounts paid. Prices for potatoes and milk are also based on an entire month average. Livestock prices for beef cattle, sheep and hogs are collected in a similar manner, and reflect actual sales of livestock through auctions, dealers and commission firms.

MONTHLY AND AVERAGE PRICES RECEIVED BY NORTH DAKOTA FARMERS
FOR SELECTED CROPS, NORTH DAKOTA, 1984-85 1/

Commodity	Year 2/	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Cal. Yr. Avg. 3/
		- - - - - Dollars per Bushel - - - - -												
All Wheat	1984	3.64	3.57	3.68	3.81	3.84	3.83	3.69	3.63	3.60	3.55	3.59	3.51	3.66
	1985	3.50	3.52	3.51	3.58	3.54	3.50	3.31	3.10	3.12	3.18	3.38	3.38	3.39
Other Spring Wheat	1984	3.54	3.54	3.63	3.76	3.85	3.83	3.68	3.50	3.51	3.47	3.48	3.42	3.60
	1985	3.49	3.49	3.49	3.57	3.56	3.53	3.34	3.09	3.16	3.32	3.51	3.53	3.42
Durum Wheat	1984	3.80	3.62	3.85	3.90	3.82	3.84	3.72	3.86	3.79	3.73	3.75	3.68	3.78
	1985	3.55	3.60	3.55	3.60	3.53	3.46	3.26	3.15	3.07	3.01	3.07	3.16	3.33
Oats	1984	1.48	1.42	1.47	1.49	1.60	1.58	1.50	1.35	1.35	1.43	1.45	1.50	1.47
	1985	1.44	1.44	1.50	1.50	1.47	1.37	1.18	.97	.98	.95	1.03	1.10	1.24
All Barley	1984	2.27	2.23	2.31	2.38	2.41	2.42	2.18	1.88	1.89	1.90	1.91	1.90	2.14
	1985	1.89	1.97	1.99	1.98	1.94	1.93	1.73	1.51	1.46	1.60	1.66	1.73	1.78
Barley, Feed	1984	2.20	2.19	2.16	2.23	2.31	2.31	2.11	1.81	1.82	1.83	1.83	1.84	2.05
	1985	1.78	1.82	1.85	1.85	1.76	1.71	1.52	1.47	1.36	1.44	1.55	1.66	1.65
Barley, Malting	1984	2.34	2.29	2.37	2.45	2.46	2.49	2.19	1.96	1.97	1.96	1.96	1.94	2.20
	1985	1.96	2.03	2.04	2.03	2.03	1.97	1.82	1.65	1.65	1.75	1.76	1.81	1.88
Rye	1984	2.03	1.81	1.89	1.82	1.81	2.00	1.74	1.51	1.53	1.65	1.58	1.78	1.76
	1985	2.08	1.98	1.74	2.44	1.62	1.76	1.72	1.56	1.95	1.84	2.01	1.96	1.89
Flax	1984	6.86	7.05	7.07	7.13	7.24	6.74	6.10	6.03	5.69	5.65	5.85	6.05	6.46
	1985	6.61	6.65	6.10	6.66	6.94	6.55	6.20	5.86	5.46	5.01	4.79	4.78	5.97
Corn	1984	2.99	2.95	3.04	3.21	3.24	3.22	3.15	3.05	2.85	2.61	2.45	2.52	2.94
	1985	2.55	2.52	2.47	2.60	2.61	2.61	2.56	2.54	2.52	2.17	2.19	2.26	2.47
Soybeans	1984	7.25	6.94	7.30	7.74	8.11	7.64	7.13	6.17	5.85	5.81	5.71	5.60	6.77
	1985	5.34	5.55	5.43	5.70	5.48	5.47	5.21	4.96	4.79	4.45	4.76	4.94	5.17
		- - - - - Dollars per Hundredweight - - - - -												
All Sunflower	1984	13.70	13.10	14.10	15.30	16.30	16.60	16.30	-	11.90	11.60	11.00	11.20	13.74
	1985	11.20	11.40	11.20	12.00	12.10	11.50	10.70	9.65	-	11.20	8.93	8.52	10.76
Sunflower, Oil	1984	13.70	13.20	14.20	15.40	16.50	17.20	16.80	-	11.00	11.20	10.80	10.80	13.71
	1985	10.50	10.90	11.10	12.00	12.00	11.50	10.60	9.65	-	8.08	7.75	7.55	10.15
Sunflower, Non-Oil	1984	14.20	18.60	13.00	12.30	13.30	12.50	13.90	-	13.90	14.20	15.00	17.30	14.38
	1985	15.60	14.40	14.80	14.10	14.80	14.80	14.50	-	-	13.40	13.30	13.40	14.31
Dry Beans	1984	17.50	17.80	17.30	16.20	17.00	15.60	14.60	17.00	17.00	15.90	14.50	15.00	16.28
	1985	15.50	14.60	15.50	16.40	16.70	17.00	18.00	17.30	14.60	15.20	14.70	14.30	15.82
Potatoes	1984	5.00	5.00	5.60	6.10	6.80	-	-	-	3.30	3.75	4.25	4.25	4.89
	1985	4.65	5.25	5.40	5.50	5.00	4.50	-	-	3.10	2.95	3.25	3.25	4.29
		- - - - - Dollars per Ton - - - - -												
All Hay, Baled	1984	40.00	39.00	40.00	40.00	41.00	41.00	42.00	41.00	42.00	43.00	43.00	42.00	41.17
	1985	42.00	43.00	44.00	44.00	44.00	42.00	45.00	51.00	53.00	52.00	50.00	53.00	46.92
Alfalfa Hay, Baled	1984	46.00	45.00	46.00	45.00	48.00	49.00	47.00	47.00	47.00	49.00	49.00	48.00	47.17
	1985	48.00	50.00	50.00	51.00	51.00	48.00	52.00	58.00	61.00	60.00	58.00	62.00	54.08
Other Hay, Baled	1984	31.00	31.00	32.00	31.00	33.00	32.00	35.00	32.00	34.00	34.00	33.00	33.00	32.58
	1985	32.00	33.00	34.00	34.00	33.00	32.00	34.00	41.00	40.00	40.00	40.00	43.00	36.33

1/ Monthly prices are open market prices and do not make an allowance for unredeemed loans. 2/ 1984 Revised, 1985 Preliminary. 3/ See page 77 for season average prices.

SEASON AVERAGE PRICES RECEIVED BY FARMERS FOR SELECTED CROPS BY CROP REPORTING DISTRICTS: North Dakota, Crops of 1980-85 1/

Crop	Crop Year	Northwest	North Central	Northeast	West Central	Central	East Central	Southwest	South Central	Southeast	State Season Average
		---Dollars per Bushel---									
All Wheat	1982	3.59	3.58	3.73	3.50	3.73	3.90	3.65	3.60	3.85	3.69
	1983	3.71	3.77	3.86	3.58	3.82	3.79	3.54	3.60	3.86	3.76
	1984	3.51	3.56	3.60	3.46	3.58	3.52	3.38	3.36	3.54	3.53
	2/1985										3.32
Durum Wheat	1980	5.31	4.81	4.83	4.90	4.82	4.98	6.24	5.86	5.28	5.10
	1981	3.48	3.45	3.44	3.40	3.46	3.63	3.34	3.32	3.63	3.47
	1982	3.59	3.60	3.69	3.43	3.76	3.94	3.78	3.47	3.87	3.66
	1983	3.88	3.95	4.07	3.86	4.09	4.06	3.51	3.99	4.09	3.97
	1984	3.57	3.69	3.81	3.49	3.78	3.81	3.48	3.53	3.79	3.70
	2/1985										3.20
Spring Wheat Other Than Durum	1980	3.81	3.85	3.81	3.83	3.82	3.99	4.09	4.09	4.08	3.92
	1981	3.57	3.44	3.62	3.46	3.56	3.71	3.57	3.52	3.68	3.59
	1982	3.59	3.58	3.78	3.51	3.73	3.90	3.65	3.61	3.85	3.71
	1983	3.56	3.63	3.75	3.61	3.74	3.81	3.60	3.62	3.87	3.69
	1984	3.51	3.44	3.50	3.50	3.54	3.54	3.41	3.38	3.55	3.50
	2/1985										3.40
Oats	1980	1.74	1.70	1.57	1.76	1.83	1.90	2.31	1.98	1.76	1.77
	1981	1.72	1.59	1.55	1.47	1.56	1.69	1.69	1.50	1.64	1.63
	1982	1.18	1.14	1.23	1.05	1.20	1.36	1.12	1.14	1.38	1.20
	1983	1.38	1.30	1.34	1.22	1.39	1.50	1.25	1.33	1.40	1.37
	1984	1.42	1.33	1.41	1.40	1.41	1.53	1.31	1.33	1.43	1.42
	2/1985										1.05
Malting Barley	1980	2.65	2.52	2.73	2.55	2.65	2.92	2.68	2.37	2.77	2.76
	1981	2.10	2.21	2.17	2.10	2.18	2.39	2.13	-	2.35	2.25
	1982	1.86	1.78	1.85	1.69	1.98	2.06	2.02	1.49	2.12	1.94
	1983	2.21	2.05	2.28	1.85	2.18	2.31	2.36	2.25	2.24	2.26
	1984	1.98	1.94	1.98	1.99	1.92	2.08	1.98	1.80	2.13	2.01
Feed Barley	1980	2.32	2.31	2.16	2.40	2.26	2.25	2.32	2.55	2.36	2.24
	1981	1.85	1.97	1.91	1.66	1.82	1.93	2.16	1.83	1.94	1.92
	1982	1.67	1.62	1.63	1.60	1.73	1.74	1.78	1.56	1.85	1.68
	1983	2.06	2.06	2.14	1.95	2.14	2.16	1.91	2.05	2.14	2.11
	1984	1.75	1.79	1.84	1.68	1.83	1.91	1.86	1.78	1.83	1.83
All Barley	1980	2.53	2.45	2.57	2.52	2.50	2.82	2.42	2.43	2.62	2.62
	1981	2.06	2.15	2.11	1.98	2.02	2.23	2.15	1.83	2.15	2.15
	1982	1.84	1.76	1.81	1.62	1.82	2.03	1.81	1.56	2.06	1.90
	1983	2.15	2.06	2.22	1.93	2.16	2.26	1.93	2.05	2.19	2.19
	1984	1.91	1.87	1.93	1.74	1.85	2.04	1.89	1.78	2.04	1.94
	2/1985										1.75
Flaxseed	1980	7.23	7.19	7.19	7.32	7.02	7.13	7.16	7.23	7.22	7.18
	1981	6.62	6.71	6.46	6.63	6.47	6.59	6.68	6.52	6.72	6.57
	1982	5.12	5.13	5.00	4.77	5.06	5.60	5.03	4.96	5.25	5.14
	1983	6.81	6.87	7.01	6.54	6.90	6.98	6.87	6.62	6.57	6.83
	1984	6.01	5.69	5.68	5.80	5.90	6.39	5.74	5.64	6.04	6.07
	2/1985										5.00
		---Dollars per Hundredweight---									
All Sunflower	1980	10.17	10.56	11.25	10.83	11.29	11.11	10.67	10.69	11.14	11.00
	1981	10.22	10.04	11.02	9.49	9.78	11.04	9.01	9.51	11.02	10.70
	1982	7.45	7.68	9.38	11.09	8.41	9.81	6.91	7.15	10.31	8.84
	1983	12.93	12.97	12.99	13.47	13.87	13.27	11.60	12.32	12.46	13.00
	1984	10.45	10.55	12.22	10.68	10.83	11.50	9.53	10.26	12.26	11.30
	2/1985	-									8.36

1/ Includes allowances for loans outstanding and purchases by the government values at the average loan and purchase rate. Does not include government payments under the disaster and deficiency payments program. 2/ Preliminary - District prices not available at this time.

SEASON AVERAGE PRICES RECEIVED BY FARMERS FOR OTHER CROPS: North Dakota, 1980-85

Year	Rye	Corn	Soybeans	All Hay Baled	Potatoes	Sugarbeets 1/	Dry Beans
	(Bu.)	(Bu.)	(Bu.)	(Ton)	(Cwt.)	(Ton)	(Cwt.)
1980	2.64	2.87	7.02	75.00	6.85	46.30	24.70
1981	2.77	2.39	5.66	58.00	4.05	20.50	19.80
1982	2.01	2.69	5.41	41.50	4.35	35.70	11.30
1983	1.91	3.02	7.34	39.00	4.90	35.40	18.70
1984	2.00	2.54	5.51	43.00	4.65	37.00	16.10
1985 2/	1.95	2.35	4.85	52.50	3.50	-	14.70

1/Does not include government payments. 2/ Preliminary.

AVERAGE PRICES RECEIVED BY FARMERS FOR LIVESTOCK AND LIVESTOCK PRODUCTS
North Dakota, 1984-85

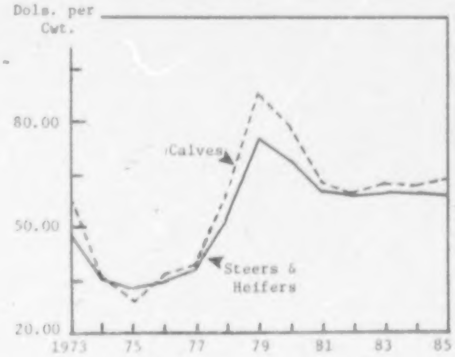
Item	Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Avg. 1/
						- - - Dollars per 100 Pounds Live Weight - - -								
Beef Cattle	1984	54.30	57.40	58.30	56.80	53.80	50.20	52.70	52.70	52.40	47.20	48.50	47.90	52.70
	1985	56.50	58.90	58.10	56.40	54.80	49.70	45.60	49.50	49.90	51.50	52.10	48.80	53.30
Steers & Heifers	1984	62.00	62.00	62.10	60.20	58.50	56.90	59.30	57.00	59.10	56.90	59.40	60.40	59.80
	1985	64.00	63.90	62.60	60.90	60.00	57.00	51.80	53.50	54.00	56.70	58.30	56.30	58.90
Cows	1984	33.60	39.00	41.30	41.50	40.70	40.10	39.00	36.50	34.70	34.50	32.10	33.00	36.20
	1985	36.00	39.70	40.00	39.30	38.80	37.40	34.70	35.10	33.60	33.20	32.30	30.80	35.50
Calves	1984	62.90	63.50	62.90	62.20	61.60	58.10	60.60	61.10	62.40	60.80	62.10	63.20	62.30
	1985	65.70	66.90	67.00	66.00	65.90	61.90	59.00	65.80	63.10	63.80	63.50	59.30	64.10
Hogs 2/	1984	46.10	42.40	43.80	45.00	44.60	45.40	47.10	46.30	42.70	39.90	43.10	45.30	44.00
	1985	45.20	46.30	41.30	39.00	39.40	42.50	42.60	39.90	36.80	40.60	40.40	42.30	41.70
Sheep	1984	12.70	12.90	13.50	12.30	9.42	10.10	12.20	11.40	14.40	11.70	12.80	13.50	12.60
	1985	20.00	17.80	16.80	17.90	16.30	16.00	17.50	20.50	21.50	21.20	24.00	20.90	18.80
Lambs	1984	55.30	55.70	53.70	50.60	45.10	48.10	54.10	56.80	60.50	59.60	62.00	56.80	57.80
	1985	61.60	64.90	67.40	60.20	58.10	64.40	68.70	70.20	68.60	64.70	64.50	62.90	65.30
							- - - Dollars per Head - - -							
Milk Cows	1984	740	---	---	790	---	---	800	---	---	780	---	---	780
	1985	740			770			740			700			740
							- - - Dollars per Hundredweight - - -							
Milk, Wholesale	1984	12.40	12.10	12.10	12.00	11.90	11.70	11.80	12.00	12.60	12.90	13.00	12.90	12.30
	1985	12.70	12.40	12.10	11.60	11.20	10.90	10.70	10.90	11.10	11.30	11.40	11.40	11.40

1/ Weighted by marketings. 2/ Averages is based on marketing year December through November.

AVERAGE PRICE RECEIVED BY FARMERS FOR POULTRY, POULTRY PRODUCTS & WOOL, North Dakota, 1978-85

Year	Chickens	Turkeys	Eggs	Wool
	(¢/lb. live weight)		(¢/doz.)	(¢/lb.)
1978	3.6	45.0	34.0	74.0
1979	4.0	43.0	38.0	82.0
1980	4.0	47.0	36.0	84.0
1981	7.0	36.0	39.0	79.0
1982	6.0	39.0	37.0	61.0
1983	7.0	32.0	53.0	51.0
1984	8.0	44.0	66.0	70.0
1985	10.0	47.0	42.0	55.0

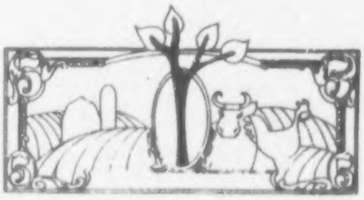
Average Price Received:
Steers & Heifers and Calves,
North Dakota, 1973-85



WAGE RATES FOR FARM LABOR
Field and Livestock Workers Combined
N.D., 1977-81; Northern Plains Region, 1982-85

Year	Quarterly Dates 1/				Annual Average
	Jan.	Apr.	July	Oct.	
	- - - Dollars per Hours - - -				
NORTH DAKOTA					
1977	2.82	2.67	3.07	2.74	2.93
1978	3.09	2.93	3.27	3.03	3.10
1979	3.10	3.12	3.13	3.10	3.12
1980	3.26	3.14	3.89	3.58	3.65
1981	3.40	3.37	ND Estimates Discontinued		
NORTHERN PLAINS					
1982	NA	NA	4.01	NA	NA
1983	NA	NA	4.12	NA	NA
1984	NA	NA	4.08	4.64	NA
1985	NA	4.53	4.46	4.62	4.50

NA - Not available. 1/ July 1982 - October 1985 wage rates available only by Northern Plains Region consisting of North Dakota, South Dakota, Nebraska and Kansas.

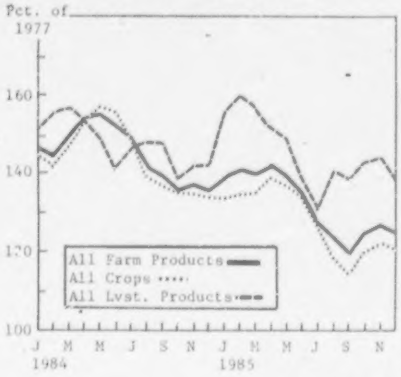


INDEXES OF PRICES RECEIVED BY FARMERS, BY MONTHS AND CALENDAR YEAR AVERAGE
North Dakota, 1984-85

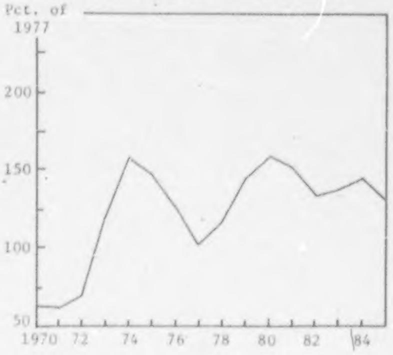
Commodity	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Avg.
						(1977 = 100) 1/							
1984													
All Farm Products	147	145	150	154	155	152	149	141	140	136	137	136	145
All Crops	145	142	147	153	157	156	149	139	137	135	135	134	144
Food Grains	153	150	154	160	161	161	155	152	151	149	150	147	153
Feed Grains & Hay	135	133	137	142	144	144	134	121	120	118	117	117	130
Oil Bearing Crops	128	123	132	142	151	152	148	114	110	108	103	105	126
Other Crops 2/	146	146	151	154	163	151	141	137	130	132	134	135	143
All Livestock Products	152	156	157	154	149	141	147	148	148	139	142	142	148
Meat Animals	154	159	161	158	151	143	150	150	149	136	140	140	149
Dairy Products	144	141	141	140	138	136	137	140	147	150	151	150	143
Poultry, Eggs & Wool	137	137	137	137	137	137	137	137	137	137	137	137	137
1985													
All Farm Products	139	141	140	142	140	135	128	124	120	125	127	125	132
All Crops	134	135	135	139	137	134	127	119	114	120	122	121	128
Food Grains	147	148	147	150	148	147	139	130	131	133	142	142	142
Feed Grains & Hay	118	121	121	122	121	119	110	101	99	101	103	108	112
Oil Bearing Crops	105	107	104	112	113	107	100	91	81	101	84	81	99
Other Crops 2/	142	147	150	153	148	144	146	144	112	112	114	113	135
All Livestock Products	156	160	157	152	149	139	131	140	139	143	144	138	146
Meat Animals	159	165	163	158	154	143	133	143	142	147	148	140	150
Dairy Products	148	144	141	135	130	127	124	127	129	131	133	133	133
Poultry, Eggs & Wool	126	126	126	125	124	124	124	124	124	124	124	124	124

1/ Base price is 1977 average. Quantity weights based on moving three-year average sales. 2/ Potatoes, dry edible beans and sugarbeets.

Index of Prices Received
North Dakota, 1984-85 (1977=100)



Index of Prices Received
Annual Average All Commodities
North Dakota, 1970-85 (1977=100)



ANNUAL AVERAGE INDEXES OF PRICES RECEIVED BY FARMERS,
North Dakota, 1967-85

Year	All Commodities	Crops					Livestock			
		All Crops	Food Grains	Feed Grains & Hay	Oil Bearing	Other Crops	All Livestock	Meat Animals	Dairy Products	Poultry, Eggs & Wool
						(1977 = 100) 1/				
1967	61	61	66	56	54	48	61	61	62	58
1968	59	57	61	50	53	55	63	64	63	58
1969	60	53	58	46	50	46	71	72	63	69
1970	63	56	60	47	47	62	74	76	65	69
1971	62	54	57	49	46	55	75	77	64	55
1972	70	59	64	52	51	55	89	95	64	59
1973	120	120	136	85	107	101	120	128	76	108
1974	157	190	209	148	157	155	95	97	83	90
1975	149	171	185	153	125	118	90	90	89	93
1976	128	137	142	134	109	114	99	99	100	88
1977	103	104	102	108	109	105	101	101	101	99
1978	117	110	115	104	99	93	139	145	112	112
1979	145	131	143	116	102	110	182	194	128	115
1980	160	158	179	136	94	158	167	173	138	121
1981	154	155	166	153	106	189	152	154	147	105
1982	135	129	145	116	99	113	149	150	146	105
1983	139	136	154	119	98	134	148	150	146	103
1984	145	144	153	130	126	143	148	149	143	137
1985	132	128	142	112	99	135	146	150	133	124

1/ Base price is 1977 average. Quantity weights based on moving three-year average sales.

MID-MONTH AVERAGE PRICES PAID BY FARMERS FOR PRODUCTION ITEMS, North Dakota, 1984-85

Item	Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Average
		----- Dollars per Hundredweight -----												
FEEDS														
Soybean Meal	1984	15.50	14.50	14.50	14.50	14.50	14.00	13.50	13.50	13.00	13.00	12.50	11.50	13.71
	1985	12.00	11.00	10.50	10.00	9.50	9.50	9.40	9.70	10.00	9.90	10.00	10.50	10.17
Hog Grower, 14-18% Protein	1984	11.00	10.00	11.00	11.50	10.30	10.10	9.80	9.60	9.50	9.40	9.40	8.90	10.04
	1985	9.80	9.10	9.90	9.40	9.20	9.60	9.30	9.40	9.50	8.90	9.40	10.00	9.46
Beef Concentrate 34-36% Protein	1984	11.00	11.50	11.50	12.50	11.50	10.50	11.00	10.50	11.00	10.50	10.50	9.60	10.97
	1985	11.50	10.50	10.50	10.00	9.60	9.40	9.50	9.90	10.00	9.50	9.30	10.00	9.98
		----- Dollars per Ton -----												
Dairy Feed, 16% Protein	1984	182	179	181	182	175	167	167	168	166	156	157	151	169
	1985	161	155	164	157	156	156	156	149	147	149	154	163	156
Laying Feed	1984	235	230	230	230	220	230	210	210	210	205	197	200	217
	1985	199	195	205	215	199	194	200	205	205	190	205	200	201
		----- Cents per Gallon -----												
PETROLEUM PRODUCTS														
Gasoline, Unleaded Filling Station	1984	1.310	1.290	1.280	1.290	1.310	1.310	1.280	1.280	1.270	1.260	1.260	1.260	1.283
	1985	1.210	1.180	1.190	1.250	1.280	1.290	1.300	1.330	1.330	1.300	1.310	1.300	1.273
Gasoline, Regular Bulk Delivery	1984	1.210	1.220	1.210	1.200	1.220	1.220	1.210	1.200	1.190	1.190	1.180	1. 70	1.202
	1985	1.140	1.090	1.120	1.160	1.190	1.210	1.240	1.260	1.220	1.220	1.230	1.220	1.192
Diesel Fuel	1984	1.040	1.050	1.020	1.010	1.030	1.040	1.030	1.030	1.010	1.020	1.050	1.030	1.030
	1985	.990	.960	.940	.970	.990	1.000	1.000	.950	.960	.980	1.040	1.080	.988

ANNUAL AVERAGE PRICES PAID BY FARMERS FOR PRODUCTION ITEMS, North Dakota, 1984-85

Item	1984	1985
	---Dollars---	
FEEDS		
Turkey Grower/ton	245.00	220.00
Dairy Feed, 14% Protein/ton	161.00	152.00
Dairy Feed, 32% Protein/ton	255.00	218.00
Hog Concentrates, 38-42% Protein/100 lbs.	15.03	13.08
Bran/100 lbs.	9.77	9.58
Middlings/100 lbs.	8.73	8.45
Corn Meal/100 lbs.	7.03	6.73
Molasses, Liquid/100 lbs.	8.49	8.41
Stock Salt/100 lbs.	5.96	6.02
Alfalfa Meal/100 lbs.	8.86	9.09
SEED, RETAIL		
Alfalfa, Uncertified/100 lbs.	157.50	155.00
Alfalfa, Certified/100 lbs.	207.50	210.00
Potatoes/100 lbs.	7.10	6.20
Wheat, Spring/bu.	5.70	5.20

Item	1984	1985
	---Dollars---	
PETROLEUM PRODUCTS AND MOTOR SUPPLIES		
L.P. Gas,/gal.	.656	.640
Motor Oil		
Regular, non-detergent/gal.	3.88	4.03
Heavy duty, detergent/gal.	4.41	4.50
All weather, high detergent/gal.	4.75	4.73
Storage Batteries		
CPR 220-310 amps. ea.	49.13	49.00
CPR 315-500 amps. ea.	64.25	62.75
Spark Plugs, ea.	1.80	1.98
Tires		
Auto, tubeless, bias belted, ER78-14, ea.	48.25	45.63
Auto, steel belted radial P195/75R14, ER78-14, ea.	66.25	65.50
Truck, 7.00x15, 6-ply, ea.	68.00	NA
Tractor, rear, 15.5-38, ea.	321.25	341.25

NA - Not available.

MISCELLANEOUS

FERTILIZER
PESTICIDES
EXPORTS
GRAIN SHIPMENTS
CUSTOM RATES

FERTILIZER, PESTICIDES & EXPORTS

Consumption of Fertilizer and Plant Nutrients, North Dakota, 1976-85

Year Ended June 30	Gross Tonnages: Mixed Fertlizer	Gross Tonnages: Primary Nutrient Material	Gross Tonnages: Secondary & Micro-Nutrients	Gross Tonnages: Total	Nutrient Content: N	Nutrient Content: Available P_2O_5	Nutrient Content: K_2O	Nutrient Content: Total
	Tons							
1976	306,511	323,493	237	630,241	201,185	130,927	18,031	350,143
1977	315,687	351,345	613	667,645	229,102	140,665	18,685	388,452
1978	272,290	372,347	2,643	647,280	253,062	120,326	19,285	392,673
1979	300,780	444,739	3,653	749,172	294,860	132,609	23,987	451,456
1980	262,159	508,941	3,208	774,308	336,256	116,395	20,081	472,732
1981	269,255	465,639	2,086	736,980	315,853	119,372	22,582	457,807
1982	268,239	346,237	1,219	615,695	248,205	112,038	19,054	379,297
1983	243,771	291,205	648	535,624	208,885	100,524	17,733	327,142
1984	254,123	295,954	1,284	551,361	214,416	108,609	19,000	342,025
1985	303,439	382,239	1,434	687,112	271,876	126,708	25,670	424,254

Fertilizer Use on All Wheat Acreage Harvested, North Dakota, 1980-85

Year	Acres for Harvest	Fields in Survey	Acres Receiving: Any Fertilizer	Acres Receiving: N	Acres Receiving: P_2O_5	Acres Receiving: K_2O	Rate/Acre Receiving: N	Rate/Acre Receiving: P_2O_5	Rate/Acre Receiving: K_2O	Acres Fertilized 1/: At or Before Seeding	Acres Fertilized 1/: After Seeding	Acres Fertilized 1/: At or before & After Seeding
	(000)	(No.)	Percent				Pounds			Percent		
1980	9,770	245	49.0	49.0	40.0	5.3	42.7	26.1	14.9	98.3	0.0	1.7
1981	11,770	237	57.0	57.0	47.3	6.8	39.0	25.3	17.1	100.0	0.0	0.0
1982	10,545	222	67.1	67.1	54.1	8.1	41.4	25.9	10.6	98.7	0.7	0.6
1983	7,190	241	71.0	71.0	60.0	11.0	46.0	27.0	10.0	99.0	1.0	0.0
1984	8,660	254	72.0	72.0	63.0	5.0	43.0	25.0	19.0	98.0	2.0	0.0
1985	8,650	234	72.0	72.0	64.0	9.0	38.0	29.0	18.0	99.0	0.0	1.0

1/ Percentages apply to acres receiving fertilizer. Source: Inputs Outlook & Situation Report, Feb., 1986.

Planted Acreage Treated with Pesticides, North Dakota, 1978 and 1984

Crop	Herbicides 1978	Herbicides 1984	Insecticides 1978	Insecticides 1984	Fungicides 1978	Fungicides 1984	Other Chemicals 1978	Other Chemicals 1984
	Percent							
Wheat	88.2	90.9	3.2	2.3	7.9	2.1	0.0	0.0
Barley	86.5	87.5	3.1	2.2	8.4	1.5	0.0	0.0
Oats	38.5	42.8	1.0	1.2	3.3	0.0	0.0	0.0
Flax	48.3	66.3	1.3	2.9	3.8	0.0	0.0	0.0
Corn	52.1	75.8	4.2	17.9	1.3	0.2	0.3	0.0
Sunflower	[illegible]8.5	88.5	5.6	64.8	2.2	0.0	2.1	0.2
Potatoes	20.5	30.6	90.8	96.9	54.5	67.6	46.5	40.1
Sugarbeets	93.4	96.5	41.1	49.5	7.5	77.6	1.6	0.0
Soybeans	91.9	96.3	6.2	2.1	2.0	0.4	0.0	0.0
Dry Beans	87.0	93.5	0.6	0.4	16.0	19.0	0.0	1.7
Alfalfa Hay	0.2	0.9	0.2	0.9	0.0	0.0	0.0	0.0
Other Hay	1.3	0.7	0.0	0.3	0.0	0.0	0.0	0.0
Pasture & Range	2.0	1.2	0.0	0.3	0.0	0.0	0.0	0.0
Other Crops	16.0	52.9	2.0	8.5	0.1	0.0	0.1	0.0
TOTAL	43.8	51.1	2.2	8.3	3.7	1.5	0.2	0.2
Summer Fallow 1/	--	17.1	--	0.1	--	0.0	--	0.0

1/ Comparable data not available for 1978, total excludes summer fallow.

Value of Export Shares of Agricultural Commodities, North Dakota, 1981-85 1/

Commodity or Group	1981 Dollars	1981 % of U.S.	1982 Dollars	1982 % of U.S.	1983 Dollars	1983 % of U.S.	1984 Dollars	1984 % of U.S.	1985 Dollars	1985 % of U.S.
	(Mil.)	(Pct.)	(Mil.)	(Pct.)	(Mil.)	(Pct.)	(Mil.)	(Pct.)	(Mil.)	(Pct.)
Wheat & Flour	1,265.9	15.7	1,187.3	15.5	1,051.7	16.9	1,203.6	17.7	805.5	17.8
Feed Grains & Products	78.3	.7	111.0	1.4	62.1	.8	139.7	1.5	90.4	1.2
Sunflower Seeds & Oil	367.2	58.3	358.8	70.4	316.3	69.5	391.2	76.5	286.7	73.5
Soybeans & Products	15.7	.2	27.1	.3	30.9	.4	66.0	.9	48.2	.9
Vegetables & Preparations	51.5	3.6	72.5	5.0	12.7	1.3	12.8	1.3	16.5	1.7
Dairy Products	2.1	.9	3.2	.9	2.7	.8	3.2	.8	3.5	.8
Animals & Meats excluding Poultry	4.5	.4	5.2	.4	5.1	.4	5.2	.4	6.2	.5
Hides & Skins	3.0	.3	3.9	.4	4.1	.4	5.3	.4	5.8	.4
Fats, Oils & Greases	3.0	.4	3.4	.5	2.9	.5	3.1	.4	3.0	.5
Feeds & Fodder	13.1	2.5	23.6	3.9	22.6	4.0	21.2	3.9	16.1	3.4
Seeds	8.7	3.0	9.0	3.0	10.0	3.0	9.8	3.0	10.6	3.0
Other	35.9	1.6	32.0	2.1	31.5	2.3	36.5	2.4	28.2	2.0
TOTAL	1,848.8	4.2	1,836.9	4.7	1,552.6	4.5	1,897.6	5.0	1,320.8	4.2

Source: Foreign Agricultural Trade of U.S. - E.R.S. 1/ State export shares are based upon North Dakota's portion of U.S. production or farm sales of individual commodities. No attempt was made to trace actual commodity shipments or to determine whether the State's output is destined primarily for the domestic or export market.

GRAIN SHIPMENTS

HARD RED SPRING WHEAT AND DURUM WHEAT: Shipments from Commercial Storages by County and Mode of Shipment, North Dakota, July 1, 1984 - June 30, 1985 (Preliminary) 1/

District and County	Hard Red Spring Wheat			Durum Wheat		
	Rail	Truck	Total	Rail	Truck	Total
		----- Bushels -----			----- Bushels -----	
Burke	1,180,951	68,322	1,249,273	570,741	434,248	1,004,989
Divide	91,403	240,256	331,659	2,186,979	144,742	2,331,721
Mountrail	244,241	170,886	415,127	3,359,967	913,123	4,273,090
Renville	708,566	117,298	825,864	807,510	44,272	851,782
Ward	6,561,778	847,478	7,409,256	7,702,704	957,285	8,659,989
Williams	2,443,890	1,222,459	3,666,349	1,387,484	932,122	2,319,606
Northwest	11,230,829	2,666,699	13,897,528	16,015,385	3,425,792	19,441,177
Benson	728,937	72,276	801,213	3,444,351	141,189	3,585,540
Bottineau	2,368,678	489,744	2,858,422	6,556,315	193,626	6,749,941
McHenry	929,778	921,014	1,850,792	51,403	120,377	171,780
Pierce	577,569	718,430	1,295,999	1,510,552	125,128	1,635,680
Rolette	89,496	139,133	228,629	1,606,036	330,190	1,936,226
North Central	4,694,458	2,340,597	7,035,055	13,168,657	910,510	14,079,167
Cavalier	4,022,986	994,347	5,017,333	3,844,220	579,377	4,423,597
Grand Forks	7,811,206	2,953,783	10,764,989	604,333	281,242	885,575
Nelson	2,500,598	762,287	3,262,885	2,639,607	608,764	3,248,371
Pembina	9,021,331	2,248,281	11,269,612	201,514	116,224	317,738
Ramsey	2,398,796	394,032	2,792,828	5,699,091	195,885	5,894,976
Towner	185,725	570,712	756,437	3,466,027	563,329	4,029,356
Walsh	10,004,795	1,248,578	11,253,373	1,001,705	70,293	1,071,998
Northeast	35,945,437	9,172,020	45,117,457	17,456,497	2,415,114	19,871,611
Dunn	9,937	356,619	366,556	---	4,408	4,408
McKenzie	---	571,540	571,540	---	281,106	281,106
McLean	1,624,265	2,003,415	3,627,680	2,913,780	1,066,616	3,980,396
Mercer	702,875	654,147	1,357,022	76,028	81,039	157,067
Oliver	---	---	---	---	---	---
West Central	2,337,077	3,585,721	5,922,798	2,989,808	1,433,169	4,422,977
Eddy	568,703	231,521	800,224	425,474	34,785	460,259
Foster	1,848,640	657,416	2,506,056	1,772,046	240,296	2,012,342
Kidder	666,321	286,560	952,881	318,325	94,696	413,021
Sheridan	781,268	450,947	1,232,215	93,453	24,456	117,909
Stutsman	5,632,686	1,837,029	7,469,715	3,397,402	279,696	3,677,098
Wells	3,950,261	385,590	4,335,851	2,182,100	229,718	2,411,818
Central	13,447,879	3,849,063	17,296,942	8,188,800	903,647	9,092,447
Barnes	8,383,241	1,784,304	10,167,545	1,661,561	201,810	1,863,371
Cass	6,503,448	6,385,662	12,889,110	1,027,581	707,663	1,735,244
Griggs	1,889,296	803,159	2,692,455	189,277	69,919	259,196
Steele	3,648,386	793,835	4,442,221	585,172	37,033	622,205
Traill	2,949,542	3,457,558	6,407,100	301,998	333,470	635,468
East Central	23,373,913	13,224,518	36,598,431	3,765,589	1,349,895	5,115,484
Adams	918,496	745,943	1,664,439	150,458	93,085	243,543
Billings	---	---	---	---	---	---
Bowman	1,535,395	1,496,523	3,031,918	908,072	360,630	1,268,702
Golden Valley	36,108	1,121,440	1,157,548	72,933	478,450	551,383
Hettinger	60,580	2,882,790	2,943,370	48,604	275,908	324,512
Slope	---	---	---	---	---	---
Stark	8,709,722	583,744	9,293,466	909,951	43,104	953,055
Southwest	11,260,301	6,830,440	18,090,741	2,090,018	1,251,177	3,341,195
Burleigh	1,012,938	1,598,096	2,611,034	81,235	312,816	394,051
Emmons	2,524,256	618,348	3,142,604	114,899	31,210	146,109
Grant	---	1,070,407	1,070,407	---	37,245	37,245
Morton	948,992	2,884,216	3,833,208	12,141	114,034	126,175
Sioux	41,248	238,735	279,983	65,924	25,850	91,774
South Central	4,527,434	6,409,802	10,937,236	274,199	521,155	795,354
Dickey	3,295,988	475,789	3,771,777	855,857	6,385	862,242
LaMoure	4,547,858	447,991	4,995,849	1,094,302	73,912	1,168,214
Logan	2,567,348	745,742	3,313,090	758,956	96,382	855,338
McIntosh	2,750,687	263,357	3,014,044	312,629	26,925	339,554
Ransom	2,410,585	164,895	2,575,480	136,212	3,203	139,415
Richland	2,727,723	2,577,841	5,305,564	112,618	242,305	354,923
Sargent	4,931,088	306,251	5,237,339	767,314	23,796	791,110
Southeast	23,231,277	4,981,866	28,213,143	4,037,888	472,908	4,510,796
STATE	130,048,605	53,060,726	183,109,331	67,986,841	12,683,367	80,670,208

1/ Totals may not add due to rounding.
Source: Summarized by Upper Great Plains Transportation Institute from Public Service Commission records.

GRAIN SHIPMENTS CONT.

BARLEY AND OATS: Shipments from Commercial Storages
by County and Mode of Shipment, North Dakota, July 1, 1984 - June 30, 1985 (Preliminary) 1/

District and County	Barley			Oats		
	Rail	Truck	Total	Rail	Truck	Total
	----- Bushels -----			--- Bushels -----		
Burke	539,613	25,892	565,505	10,808	117,613	128,421
Divide	408,672	114,387	523,059	29,559	45,597	75,156
Mountrail	871,854	156,854	1,028,708	171,808	28,323	200,131
Renville	1,216,597	58,065	1,274,662	122,717	98,804	221,521
Ward	4,075,782	305,177	4,380,959	897,292	1,147,383	2,044,675
Williams	1,011,022	461,464	1,472,486	2,870	107,046	109,916
Northwest	8,123,540	1,121,839	9,245,379	1,235,054	1,544,766	2,779,820
Benson	1,500,358	166,657	1,667,015	20,666	10,399	31,065
Bottineau	6,109,245	271,030	6,380,275	410,018	199,484	609,502
McHenry	178,352	37,304	215,656	12,000	60,893	72,893
Pierce	1,019,558	48,145	1,067,703	89,929	19,369	109,298
Rolette	915,635	173,769	1,089,404	---	4,948	4,948
North Central	9,723,148	696,905	10,420,053	532,613	295,093	827,706
Cavalier	4,159,070	1,711,398	5,870,468	14,282	29,721	44,003
Grand Forks	6,965,171	1,132,227	8,097,398	40,389	35,385	75,774
Nelson	2,407,976	334,911	2,742,887	32,604	24,824	57,428
Pembina	2,803,329	1,720,916	4,524,245	---	6,322	6,322
Ramsey	3,342,568	412,349	3,754,917	24,947	4,980	29,927
Towner	2,024,905	219,650	2,244,555	8,160	10,545	18,705
Walsh	4,089,185	678,290	4,767,475	59,270	36,234	95,504
Northeast	25,792,204	6,209,741	32,001,945	179,652	148,011	327,663
Dunn	---	39,584	39,584	---	34,745	34,745
McKenzie	---	32,160	32,160	---	---	---
McLean	391,823	152,388	544,211	419,883	359,521	779,404
Mercer	18,000	57,636	75,636	70,435	200,404	270,839
Oliver	---	---	---	---	---	---
West Central	409,823	281,768	691,591	490,318	594,670	1,084,988
Eddy	170,262	26,928	197,190	40,215	28,843	69,058
Foster	265,780	58,370	324,150	43,778	118,620	162,398
Kidder	2,229	17,540	19,769	52,037	1,604	53,641
Sheridan	55,906	158,950	214,856	23,345	61,940	85,285
Stutsman	4,718,149	1,555,124	6,273,273	354,496	104,669	459,165
Wells	1,167,830	389,558	1,557,388	53,459	72,999	126,458
Central	6,380,156	2,206,470	8,586,626	567,330	388,675	956,005
Barnes	3,793,549	1,512,068	5,305,617	153,364	44,860	198,224
Cass	10,225,538	1,355,989	11,581,527	94,942	15,475	110,417
Griggs	1,287,671	246,040	1,533,711	12,920	38,980	51,900
Steele	3,549,816	487,566	4,037,382	25,538	437,568	463,106
Traill	6,202,215	1,243,177	7,445,392	---	---	---
East Central	25,058,789	4,844,840	29,903,629	286,764	536,883	823,647
Adams	---	80,888	80,888	107,087	73,742	180,829
Billings	---	---	---	---	---	---
Bowman	30,098	622,755	652,853	13,387	39,497	52,884
Golden Valley	---	68,930	68,930	---	16,500	16,500
Hettinger	12,952	315,683	328,635	44,721	84,626	129,347
Slope	---	---	---	---	---	---
Stark	192,763	61,497	254,260	161,253	282,075	443,328
Southwest	235,813	1,149,753	1,385,566	326,448	496,440	822,888
Burleigh	54,058	107,736	161,794	148,346	229,640	377,986
Emmons	261,743	17,540	279,283	355,709	63,007	418,716
Grant	---	234,739	234,739	---	183,656	183,656
Morton	28,292	188,993	217,285	19,406	86,319	105,725
Sioux	93,486	19,550	113,036	4,062	10,876	14,938
South Central	437,579	568,558	1,006,137	527,523	573,498	1,101,021
Dickey	1,955,147	27,663	1,982,810	259,693	157,875	417,568
LaMoure	1,309,065	132,646	1,441,711	379,986	69,869	449,855
Logan	350,387	53,941	404,328	80,703	61,986	142,689
McIntosh	176,105	20,328	196,433	396,998	51,646	448,644
Ransom	860,862	27,296	888,158	221,345	19,418	240,763
Richland	5,972,412	709,193	6,681,605	227,983	220,077	448,060
Sargent	1,116,252	77,767	1,194,019	341,637	19,696	361,333
Southeast	11,740,230	1,048,834	12,789,064	1,908,345	600,567	2,508,912
STATE	87,901,282	18,128,708	106,029,990	6,054,047	5,178,603	11,232,650

1/ Totals may not add due to rounding.
Source: Summarized by Upper Great Plains Transportation Institute from Public Service Commission records.

GRAIN SHIPMENTS CONT.

SUNFLOWER, FLAXSEED AND CORN: Shipments from Commercial Storages
by County and Mode of Shipment, North Dakota, July 1, 1984 - June 30, 1985 (Preliminary) 1/

District and County	Sunflower			Flaxseed			Corn		
	Rail	Truck	Total	Rail	Truck	Total	Rail	Truck	Total
	(Hundredweight)			(Bushels)			(Bushels)		
Burke	69,180	7,534	76,714	---	---	---	---	---	---
Divide	11,348	13,491	24,839	---	907	907	---	---	---
Mountrail	324,675	119,240	443,915	---	989	989	---	---	---
Renville	47,294	11,942	59,236	6,000	12,554	18,554	---	---	---
Ward	1,760,450	275,869	2,036,319	59,455	136,459	195,914	---	---	---
Williams	10,500	149,138	159,638	---	207	207	---	---	---
Northwest	2,223,447	577,214	2,800,661	65,455	151,116	216,571	---	---	---
Benson	595,597	118,428	714,025	55,331	49,397	104,728	---	10,156	10,156
Bottineau	796,715	67,467	864,182	9,791	116,868	126,659	---	---	---
McHenry	202,833	41,237	244,070	---	53,364	53,364	---	---	---
Pierce	151,068	40,391	191,459	---	99,022	99,022	---	10,246	10,246
Rolette	69,361	89,963	159,324	3,220	56,207	59,427	---	---	---
North Central	1,815,574	357,486	2,173,060	68,342	374,858	443,200	---	20,402	20,402
Cavalier	246,561	126,947	373,508	50,565	226,595	277,160	---	15,074	15,074
Grand Forks	347,823	478,929	826,752	6,556	19,744	26,300	132,312	412,717	545,029
Nelson	500,599	209,024	709,623	34,262	56,474	90,736	3,304	112,257	115,561
Pembina	127,499	67,560	195,059	919	61,966	62,885	5,487	4,722	10,209
Ramsey	592,003	140,730	732,733	98,512	180,154	278,666	---	850	850
Towner	171,224	57,565	228,789	2,990	215,863	218,853	---	---	---
Walsh	407,773	180,672	588,445	102,114	40,269	142,383	177,950	243,947	421,897
Northeast	2,393,482	1,261,427	3,654,909	295,918	801,065	1,096,983	319,053	789,567	1,108,620
Dunn	7,065	8,065	15,130	---	---	---	---	---	---
McKenzie	---	---	---	---	---	---	---	---	---
McLean	651,302	284,350	935,652	68,136	175,855	243,991	16,964	31,686	48,650
Mercer	57,874	27,547	85,421	---	21,868	21,868	---	---	---
Oliver	---	---	---	---	---	---	---	---	---
West Central	716,241	319,962	1,036,203	68,136	197,723	265,859	16,964	31,686	48,650
Eddy	77,826	163,538	241,364	7,929	17,954	25,883	---	8,002	8,002
Foster	542,452	345,377	887,829	10,353	47,440	57,793	181,685	33,885	215,570
Kidder	6,000	53,899	59,899	5,755	35,262	41,017	---	---	---
Sheridan	155,500	112,137	267,637	11,447	83,219	94,666	---	---	---
Stutsman	1,258,817	485,768	1,744,585	37,991	142,508	180,499	55,007	75,622	130,629
Wells	541,235	166,939	708,174	73,388	67,685	141,073	229,336	16,179	245,515
Central	2,581,830	1,327,658	3,909,488	146,863	394,068	540,931	466,028	133,688	599,716
Barnes	410,195	392,061	802,256	19,859	92,819	112,678	24,358	158,540	182,898
Cass	517,635	1,099,026	1,616,661	---	58,989	58,989	4,387,439	673,698	5,061,137
Griggs	82,014	413,421	495,435	---	29,705	29,705	---	134,116	134,116
Steele	206,899	248,929	455,827	---	43,860	43,860	28,000	12,332	40,332
Traill	156,690	97,108	253,798	---	4,047	4,047	1,171,687	209,988	1,381,675
East Central	1,373,432	2,250,545	3,623,977	19,859	229,420	249,279	5,611,484	1,188,674	6,800,158
Adams	75,034	16,926	91,960	---	135,416	135,416	---	---	---
Billings	---	---	---	---	---	---	---	---	---
Bowman	70,071	23,316	93,387	19,786	8,687	28,473	---	11,218	11,218
Golden Valley	---	16,792	16,792	---	21,528	21,528	---	---	---
Hettinger	6,354	395,924	402,278	---	6,499	6,499	---	484,929	484,929
Slope	---	---	---	---	---	---	---	---	---
Stark	281,773	114,124	395,897	---	11,893	11,893	---	---	---
Southwest	433,232	567,082	1,000,314	19,786	184,023	203,809	---	496,147	496,147
Burleigh	131,569	82,125	213,694	12,071	78,441	90,512	---	7,273	7,273
Emmons	84,382	53,254	137,636	52,372	89,518	141,890	40,700	4,463	45,163
Grant	3,180	165,021	168,201	---	2,820	2,820	---	79,320	79,320
Morton	38,972	69,153	108,125	---	29,023	29,023	171,842	---	171,842
Sioux	1,050	8,772	9,822	808	---	808	---	---	---
South Central	259,153	378,325	637,478	65,251	199,802	265,053	212,542	91,056	303,598
Dickey	482,301	223,844	706,145	19,842	47,604	67,446	1,310,988	33,877	1,344,865
LaMoure	493,956	324,660	818,616	---	200,448	200,448	122,041	28,713	150,754
Logan	212,783	128,094	340,877	98,457	95,377	193,834	---	3,831	3,831
McIntosh	127,700	34,099	161,799	24,995	179,835	204,830	47,015	---	47,015
Ransom	25,044	40,466	65,510	---	13,094	13,094	951,913	99,354	1,051,267
Richland	198,432	135,845	334,277	98,000	9,118	107,118	6,195,369	1,187,119	7,382,488
Sargent	276,456	135,528	411,984	4,614	24,975	29,589	3,161,964	103,645	3,265,609
Southeast	1,816,672	1,022,536	2,839,208	245,908	570,451	816,359	11,789,290	1,456,539	13,245,829
STATE	13,613,063	8,062,235	21,675,298	995,518	3,102,526	4,098,044	18,415,361	4,207,759	22,623,120

1/ Totals may not add due to rounding.
Source: Summarized by Upper Great Plains Transportation Institute from Public Service Commission records.

GRAIN SHIPMENTS CONT.

HARD RED SPRING WHEAT AND DURUM WHEAT: Shipments from Commercial Storages
by County and Destination, North Dakota, July 1, 1984 - June 30, 1985 (Preliminary) 1/

District and County	Hard Red Spring Wheat				Durum Wheat			
	Duluth/ Superior	Mpls./ St. Paul	West	Misc. 2/	Duluth/ Superior	Mpls./ St. Paul	West	Misc. 2/
	---- Bushels ----				--- Bushels ----			
Burke	129,326	21,965	1,062,762	35,220	590,473	306,786	27,859	79,871
Divide	---	---	111,299	220,360	272,114	676,823	949,458	433,326
Mountrail	109,846	99,924	97,381	107,976	2,536,078	1,169,907	1,960	565,145
Renville	263,442	290,079	204,919	67,424	373,000	273,654	---	205,128
Ward	1,263,658	1,326,052	4,238,424	581,122	4,819,108	2,005,538	---	1,835,343
Williams	95,519	281,688	2,168,176	1,120,966	390,957	979,878	163,242	785,529
Northwest	1,861,791	2,019,708	7,882,961	2,133,068	8,981,730	5,412,586	1,142,519	3,904,342
Benson	202,422	446,739	---	152,052	2,019,549	1,000,701	---	565,290
Bottineau	480,439	1,043,955	505,537	828,491	5,047,442	771,082	---	931,417
McHenry	193,226	783,769	528,015	345,782	81,682	51,521	---	38,577
Pierce	332,320	734,471	810	228,398	913,524	632,509	---	89,647
Rolette	137,547	76,991	3,296	10,795	1,595,442	110,256	---	230,528
North Central	1,345,954	3,085,925	1,037,658	1,565,518	9,657,639	2,566,069	---	1,855,459
Cavalier	3,268,945	552,575	679,665	516,148	3,480,599	226,998	---	716,000
Grand Forks	5,904,886	1,825,963	1,359,978	1,674,162	661,062	110,394	---	114,119
Nelson	1,927,350	809,784	256,764	268,987	2,337,619	570,878	86,543	253,331
Pembina	5,356,727	573,018	2,145,425	3,194,442	304,310	3,000	---	10,428
Ramsey	1,153,791	672,375	429,616	537,046	3,897,597	670,556	---	1,326,823
Towner	201,779	448,279	31,788	74,591	3,288,278	361,405	---	379,673
Walsh	6,932,675	2,418,290	257,283	1,645,125	900,007	99,143	3,854	68,994
Northeast	24,746,153	7,300,284	5,160,519	7,910,501	14,869,472	2,042,374	90,397	2,869,368
Dunn	7,718	84,919	142,471	131,448	---	---	---	4,408
McKenzie	6,499	128,141	132,256	304,644	26,121	159,010	---	95,975
McLean	1,241,755	1,051,882	266,491	1,067,552	2,873,295	758,640	762	347,699
Mercer	64,168	713,335	267,568	311,951	50,260	95,871	---	10,936
Oliver	---	---	---	---	---	---	---	---
West Central	1,320,140	1,978,277	808,786	1,815,595	2,949,676	1,013,521	762	459,018
Eddy	188,439	421,625	---	190,160	146,130	135,108	---	179,021
Foster	856,398	1,161,145	163,334	325,179	951,339	417,158	---	643,845
Kidder	300,145	516,347	---	136,389	188,017	161,494	---	63,510
Sheridan	344,788	756,035	---	131,392	61,231	49,988	---	6,690
Stutsman	3,096,427	2,846,095	259,204	1,267,989	2,419,806	1,059,970	---	197,322
Wells	1,637,843	1,475,946	1,086,165	135,897	1,975,407	381,449	---	54,962
Central	6,424,040	7,177,193	1,508,703	2,187,006	5,741,930	2,205,167	---	1,145,350
Barnes	4,769,475	3,275,741	---	2,122,329	1,491,793	244,033	---	127,545
Cass	4,002,478	7,045,582	---	1,841,050	1,067,334	519,816	---	148,094
Griggs	816,763	1,518,669	---	357,023	100,415	150,633	---	8,148
Steele	2,294,427	1,324,787	171,082	651,925	453,153	51,728	---	117,324
Traill	2,779,707	2,746,054	431,149	450,190	342,167	54,447	---	238,854
East Central	14,662,850	15,910,833	602,231	5,422,517	3,454,862	1,020,657	---	639,965
Adams	---	428,913	819,146	416,380	11,695	164,135	---	67,713
Billings	---	---	---	---	---	---	---	---
Bowman	33,207	500,261	1,697,262	801,188	757	810,198	142,872	314,875
Golden Valley	824	164,431	385,015	607,278	13,034	386,120	---	152,229
Hettinger	31,407	848,837	1,624,670	438,456	27,117	249,696	4,000	43,699
Slope	---	---	---	---	---	---	---	---
Stark	777,999	1,948,894	5,726,132	840,441	703,534	229,902	---	19,619
Southwest	843,437	3,891,336	10,252,225	3,103,743	756,137	1,840,051	146,872	598,135
Burleigh	249,748	2,167,463	14,129	179,694	111,531	79,846	---	202,674
Emmons	325,986	1,967,800	2,697	846,121	69,355	60,672	---	16,082
Grant	13,220	436,522	392,616	228,049	---	37,245	---	---
Morton	406,411	2,341,995	762,106	322,696	19,976	61,768	39,789	4,642
Sioux	850	25,751	26,973	226,409	25,862	19,427	---	46,485
South Central	996,215	6,939,531	1,198,521	1,802,969	226,724	258,958	39,789	269,883
Dickey	268,502	2,479,714	---	1,023,561	209,658	225,413	---	427,171
LaMoure	1,086,636	2,492,491	---	1,416,722	625,697	325,426	---	217,091
Logan	228,276	2,397,505	---	687,309	277,158	481,111	---	97,069
McIntosh	47,808	2,285,861	---	680,375	87,135	242,436	---	9,983
Ransom	1,373,042	801,359	---	401,079	68,792	70,623	---	---
Richland	355,017	4,393,623	---	556,924	89,372	98,083	---	167,468
Sargent	442,618	3,642,426	---	1,152,295	141,415	549,138	---	100,557
Southeast	3,801,899	18,492,979	---	5,918,265	1,499,227	1,992,230	---	1,019,339
STATE	56,002,479	66,796,066	28,451,604	31,859,182	48,137,397	18,351,613	1,420,339	12,760,859

1/ Totals may not add due to rounding. 2/ Includes all other destinations. Source: Summarized by Upper Great Plains Transportation Institute from Public Service Commission records.

GRAIN SHIPMENTS CONT.

BARLEY AND OATS: Shipments from Commercial Storages
by County and Destination, North Dakota, July 1, 1984 - June 30, 1985 (Preliminary) 1/

District and County	Barley				Oats			
	Duluth/ Superior	Mpls./ St. Paul	West	Misc. 2/	Duluth/ Superior	Mpls./ St. Paul	West	Misc. 2/
	---- Bushels ----				--- Bushels ----			
Burke	98,141	3,258	417,242	46,864	1,562	4,764	34,726	87,369
Divide	---	---	50,973	472,086	3,300	40,018	21,589	10,249
Mountrail	467,622	21,325	286,024	253,737	---	146,404	9,061	44,666
Renville	---	22,050	658,227	594,385	---	86,060	2,857	132,604
Ward	122,790	388,167	2,493,906	1,376,096	2,897	1,084,961	75,977	880,840
Williams	9,528	33,449	884,953	544,556	---	12,910	11,166	85,840
Northwest	698,081	468,249	4,791,325	3,287,724	7,759	1,375,117	155,376	1,241,568
Benson	997,525	443,765	11,320	214,405	4,070	22,740	---	4,255
Bottineau	375,089	126,524	2,502,237	3,376,425	47,798	238,351	6,896	316,457
McHenry	3,264	7,460	7,270	197,662	---	71,522	1,371	---
Pierce	51,003	110,711	96,000	809,989	8,000	99,698	---	1,600
Rolette	381,130	137,324	206,054	364,896	---	4,948	---	---
North Central	1,808,011	825,784	2,822,881	4,963,377	59,868	437,259	8,267	322,312
Cavalier	2,677,606	1,211,051	---	1,981,811	1,440	10,827	---	31,736
Grand Forks	1,891,375	3,025,534	---	3,180,489	---	55,224	2,279	18,271
Nelson	1,479,189	978,190	---	285,508	7,800	45,607	---	4,021
Pembina	2,847,380	431,526	190,041	1,055,298	---	6,322	---	---
Ramsey	1,115,661	1,726,139	187,648	725,469	9,419	17,021	---	3,487
Towner	579,895	317,309	1,904	1,345,447	---	12,807	---	5,898
Walsh	2,290,576	1,861,817	12,277	602,805	12,998	74,637	---	7,869
Northeast	12,881,682	9,551,566	391,870	9,176,827	31,657	222,445	2,279	71,282
Dunn	---	---	6,735	32,849	---	6,436	7,405	20,904
McKenzie	---	---	934	31,226	---	---	---	---
McLean	109,349	31,108	103,051	300,703	---	358,577	55,180	365,647
Mercer	12,567	---	47,509	15,560	---	118,976	60,041	91,822
Oliver	---	---	---	---	---	---	---	---
West Central	121,916	31,108	158,229	380,338	---	483,989	122,626	478,373
Eddy	109,279	62,942	---	24,969	---	64,708	---	4,350
Foster	149,500	139,288	21,205	14,157	13,800	20,834	---	127,764
Kidder	14,483	---	---	5,286	---	53,641	---	---
Sheridan	21,696	39,969	17,388	135,803	10,118	52,806	---	22,361
Stutsman	1,930,647	370,079	389,746	3,582,801	1,491	288,333	6,661	162,680
Wells	485,368	190,530	159,834	721,656	---	111,163	1,457	13,838
Central	2,710,973	802,808	588,173	4,484,672	25,409	591,485	8,118	330,993
Barnes	2,211,432	815,804	36,406	2,241,975	15,255	133,357	---	49,612
Cass	1,502,631	2,657,562	278,560	7,142,774	---	59,706	---	50,711
Griggs	574,886	336,749	---	622,076	---	38,447	---	13,453
Steele	1,753,326	485,573	---	1,798,483	---	98,441	---	364,665
Traill	766,547	1,982,847	1,036	4,694,962	---	---	---	---
East Central	6,808,822	6,278,535	316,002	16,500,270	15,255	329,951	---	478,441
Adams	---	---	12,992	67,896	---	105,889	15,268	59,672
Billings	---	---	---	---	---	---	---	---
Bowman	---	11,124	2,000	639,729	---	16,732	4,900	31,252
Golden Valley	---	---	---	68,930	---	---	---	16,500
Hettinger	---	14,646	146,764	167,225	---	62,345	8,792	58,210
Slope	---	---	---	---	---	---	---	---
Stark	---	1,951	133,046	119,263	--	304,175	59,785	79,368
Southwest	---	27,721	294,802	1,063,043	---	489,141	88,745	245,002
Burleigh	32,657	35,961	3,113	90,063	---	256,575	---	121,411
Emmons	160,061	96,496	1,041	21,685	---	352,113	3,244	63,359
Grant	---	1,030	67,290	166,419	---	47,301	19,867	116,488
Morton	---	4,040	38,418	174,827	---	65,011	23,415	17,299
Sioux	49,583	---	---	63,453	---	---	---	14,938
South Central	242,301	137,527	109,862	516,447	---	721,000	46,526	333,495
Dickey	320,544	1,215,141	---	447,125	---	293,148	---	124,420
LaMoure	292,906	468,590	---	680,215	---	375,875	---	73,980
Logan	222,122	87,069	---	95,137	---	126,771	---	15,918
McIntosh	69,661	81,382	---	45,390	---	422,543	---	26,101
Ransom	235,730	583,847	---	68,581	---	136,155	---	104,608
Richland	134,810	1,368,056	---	5,178,739	26,150	193,174	4,960	223,776
Sargent	117,638	900,034	---	176,347	---	268,728	---	92,605
Southeast	1,393,411	4,704,119	---	6,691,534	26,150	1,816,394	4,960	661,408
STATE	26,665,197	22,827,417	9,473,144	47,064,232	166,098	6,466,781	436,897	4,162,874

1/ Totals may not add due to rounding. 2/ Includes all other destinations. Source: Summarized by Upper Great Plains Transportation Institute from Public Service Commission records.

GRAIN SHIPMENTS CONT.

SUNFLOWER AND FLAXSEED: Shipments from Commercial Storages
by County and Destination, North Dakota, July 1, 1984 - June 30, 1985 (Preliminary) 1/

District and County	Sunflower				Flaxseed			
	Duluth/ Superior	Mpls./ St. Paul	West	Misc. 2/	Duluth/ Superior	Mpls./ St. Paul	West	Misc. 2/
	---- Bushels ----				--- Bushels ----			
Burke	54,161	---	---	22,553	---	---	---	---
Divide	4,369	30	---	20,440	---	907	---	---
Mountrail	372,930	---	10,955	60,030	---	989	---	---
Renville	55,294	400	---	3,542	---	9,645	---	8,909
Ward	1,179,387	318,092	---	538,840	3,685	158,614	---	33,615
Williams	9,612	1,301	2,653	146,072	---	---	---	207
Northwest	1,675,753	319,823	13,608	791,477	3,685	170,155	---	42,731
Benson	516,629	132,118	---	65,278	4,030	48,029	---	52,669
Bottineau	795,575	5,765	---	62,842	5,246	61,595	---	59,818
McHenry	139,783	86,891	---	17,396	---	24,173	---	29,191
Pierce	142,681	21,215	---	27,563	---	77,583	---	21,439
Rolette	101,375	9,075	---	48,874	7,935	20,913	---	30,579
North Central	1,696,043	255,064	---	221,953	17,211	232,293	---	193,696
Cavalier	281,508	17,411	---	74,589	37,158	111,180	---	128,822
Grand Forks	624,977	6,263	---	195,512	---	7,824	9	18,467
Nelson	534,338	87,382	---	87,903	6,587	52,832	---	31,317
Pembina	164,742	---	---	30,317	9,048	24,744	---	29,093
Ramsey	581,478	13,404	---	137,851	47,080	115,765	---	115,821
Towner	184,888	481	---	43,420	13,701	81,861	---	123,291
Walsh	389,706	14,774	---	183,965	5,063	20,244	---	117,076
Northeast	2,761,637	139,715	---	753,557	118,637	414,450	9	563,887
Dunn	---	---	---	15,130	---	---	---	---
McKenzie	---	---	---	---	---	---	---	---
McLean	589,503	9,429	---	336,720	1,777	107,396	1,724	133,094
Mercer	57,014	15,194	---	13,213	---	18,477	---	3,391
Oliver	---	---	---	---	---	---	---	---
West Central	646,517	24,623	---	365,063	1,777	125,873	1,724	136,485
Eddy	86,079	8,028	---	147,257	1,798	12,634	---	11,451
Foster	348,184	99,635	10,906	429,104	---	22,922	---	34,871
Kidder	8,868	---	10,400	40,631	---	7,454	---	33,563
Sheridan	196,735	---	---	70,902	3,170	16,994	---	74,502
Stutsman	848,762	64,734	4,757	826,332	---	54,916	---	125,583
Wells	318,653	4,000	---	385,521	---	64,293	---	76,780
Central	1,807,281	176,397	26,063	1,899,747	4,968	179,213	---	356,750
Barnes	476,855	7,704	---	317,697	12,774	7,577	---	92,327
Cass	424,238	113,023	27,074	1,052,326	5,700	22,849	---	30,440
Griggs	183,590	32,222	---	279,623	916	5,989	---	22,800
Steele	239,268	944	---	215,615	150	9,999	---	33,711
Traill	76,401	23,265	1,852	152,280	---	2,926	---	1,121
East Central	1,400,352	177,158	28,926	2,017,541	19,540	49,340	---	180,399
Adams	23,510	30,303	---	38,147	---	3,205	4,155	128,056
Billings	---	---	---	---	---	---	---	---
Bowman	29,459	30,048	---	33,880	---	19,786	---	8,687
Golden Valley	748	---	7,187	8,857	---	730	20,798	---
Hettinger	6,746	36,449	640	358,443	---	2,424	---	4,075
Slope	---	---	---	---	---	---	---	---
Stark	171,927	151,618	482	71,870	---	8,299	---	3,594
Southwest	232,390	248,418	8,309	511,197	---	34,444	24,953	144,412
Burleigh	64,149	5,002	---	144,543	---	14,983	---	75,529
Emmons	70,315	---	---	67,321	---	35,201	---	106,689
Grant	---	2,215	---	165,986	---	2,820	---	---
Morton	31,468	24,094	---	52,563	---	23,514	---	5,509
Sioux	---	1,959	---	7,863	---	808	---	---
South Central	165,932	33,270	---	438,276	---	77,326	---	187,727
Dickey	394,280	72,648	---	239,217	---	30,605	---	36,841
LaMoure	510,744	45,236	---	262,636	---	55,928	---	144,520
Logan	193,144	22,468	---	125,265	---	108,453	---	85,381
McIntosh	112,100	9,000	---	40,699	---	61,728	---	143,102
Ransom	29,780	1,742	---	33,988	---	---	---	13,094
Richland	155,226	27,554	450	151,047	---	5,250	94,500	7,368
Sargent	223,955	25,025	---	163,004	---	9,631	---	19,958
Southeast	1,619,229	203,673	450	1,015,856	---	271,595	94,500	450,264
STATE	12,005,134	1,578,141	77,356	8,014,667	165,818	1,554,689	121,186	2,256,351

1/ Totals may not add due to rounding. 2/ Includes all other destinations. Source: Summarized by Upper Great Plains Transportation Institute from Public Service Commission records.

CUSTOM FARM WORK RATES

STATE-WIDE AVERAGES, NORTH DAKOTA, 1984 WITH COMPARISONS
More detailed report available upon request.

Operation	Average Rate			1984	
	1980	1981	1982	Most Frequent Rate Reported	Avg. Rate
	- - - Dollars per Acre - -				
LAND TILLAGE					
DEEP TILLAGE					
Plowing	6.14	6.00	6.11	6.00	6.18
Alfalfa Sod Breaking	7.94	7.63	7.52	8.00	7.60
Heavy Disking	4.31	4.33	4.55	4.00	5.10
Deep Chisel	4.40	4.28	4.59	5.00	5.03
SHALLOW TILLAGE					
Duckfoot or Wide Sweep	3.14	3.28	3.52	3.00	3.81
One-Way Disk	3.87	3.41	3.76	4.00	4.15
Single Disk	3.41	3.00	3.09	NA	NA
Tandem Disk	3.76	3.53	3.88	4.00	4.15
Rod Weeder	2.91	2.93	3.13	2.50	3.48
Rotary Hoe	2.59	2.93	2.92	3.00	2.98
Harrowing	1.99	1.92	2.26	2.00	2.45
Row Crop Cultivation					
Wide-Row (31 in.)	3.23	3.36	3.39	3.00	3.53
Narrow-Row (31 in.)	3.36	3.46	3.48	3.00	3.72
SMALL GRAIN SEEDING					
REGULAR DRILLING					
With Fertilizer Appl.	4.42	4.15	4.68	4.00	4.54
Without Fertilizer Appl.	3.87	3.75	4.14	4.00	4.40
PONY PRESS DRILL					
With Fertilizer Appl.	7.64	7.56	6.89	6.00	7.10
Without Fertilizer Appl.	6.77	6.90	6.33	5.00	7.07
ROW CROP PLANTING					
Corn	4.15	4.43	4.77	5.00	*4.72
Soybeans	3.94	4.41	4.68	5.00	*4.84
Dry Edible Beans	4.17	4.59	4.62	5.00	*4.99
Potatoes	7.24	6.47	5.91	8.00	7.09
Sugarbeets	5.33	6.43	5.95	8.00	6.80
Sunflower	4.35	4.58	4.77	5.00	*4.88
FERTILIZER APPLICATION					
Dry Fertilizer	2.14	2.37	2.58	2.00	*2.74
Liquid Fertilizer	2.52	2.71	3.08	3.00	3.23
Anhydrous Ammonia	3.68	3.64	3.82	4.00	*4.55
CHEMICAL APPLICATION					
BY SURFACE VEHICLES					
Herbicides	1.86	2.05	2.08	2.00	*2.44
Insecticides	2.14	2.15	2.11	2.00	*2.49
Fungicides	2.21	2.21	2.14	2.00	2.44
Desiccants	2.31	2.21	2.13	2.00	2.34
BY AIRCRAFT					
Herbicides	2.55	2.86	3.02	3.00	3.04
Insecticides	2.67	2.94	3.10	3.00	3.14
Fungicides	2.82	3.03	3.21	3.00	3.23
Desiccants	2.88	3.07	3.24	3.25	3.24
HARVESTING CROPS					
SWATHING					
Self-Propelled	3.12	3.52	3.55	4.00	3.73
PTO Unit	2.93	3.12	3.16	3.00	3.36
COMBINING					
From Swaths					
Wheat, All	11.02	12.69	12.67	12.00	12.59
Oats	10.86	12.44	12.58	12.00	12.54
Barley	11.09	12.58	12.67	12.00	12.62
Rye	11.35	12.38	12.69	12.00	12.73
Flaxseed	11.25	12.66	12.85	12.00	12.56
Soybeans	11.96	14.17	14.31	12.00	14.11
Dry Edible Beans	13.66	16.84	15.91	12.00	15.04
Straight Combining					
Wheat, All	NA	12.99	12.76	12.00	12.57
Corn	13.01	15.18	15.10	15.00	14.83
Sunflower (per cwt.)	12.12	13.73	13.52	12.00	13.26
Soybeans	NA	14.33	14.46	12.00	14.17
DRY BEAN HARVESTING					
Cutting Only	NA	7.62	7.66	5.00	7.34
Windrowing	NA	4.70	4.70	5.00	4.77
Cutting & Windrowing	NA	9.58	12.84	20.00	13.00
HAYING					
Mowing	3.15	3.38	3.43	3.00	3.28
Mowing & Conditioning	4.47	5.04	5.29	5.00	5.10
Swathing	3.87	4.45	4.57	4.00	4.26
Side Delivery Raking	2.13	2.14	2.28	2.00	2.04

Operation	Average Rate			1984	
	1980	1981	1982	Most Frequent Rate Reported	Avg. Rate
HAYING CONT.					
BALING	- - - Dollars/Bale - - -				
Square bales with twine	.265	.280	.280	.25	.340
Round bales 800-999 lbs.	4.46	4.52	4.51	4.00	4.49
Round bales 1000-1500 lbs.	5.06	5.08	5.12	5.00	5.06
Round bales over 1500 lbs.	5.96	6.37	5.81	5.00	5.54
MECHANIZED LOOSE HAY STACKING	- - - Dollars/Stack - - -				
1.5 - 3 Ton Stack	17.59	17.98	17.21	20.00	18.32
3 - 6 Ton Stack	25.10	25.24	21.81	25.00	25.50
More Than 6 Ton Stack	NA	25.86	23.25	25.00	26.32
MAKING CORN SILAGE					
FIELD CHOPPING ONLY	- - - Dollars/Unit - - -				
Per Acre	13.59	15.09	15.76	15.00	16.41
Per Hour	30.06	35.80	35.46	45.00	43.50
FIELD CHOPPING PLUS HAULING TO SILO					
Per Acre	16.55	17.77	18.42	20.00	21.22
Per Hour	41.77	48.16	48.94	50.00	44.57
FIELD CHOPPING PLUS HAULING TO AND FILLING SILO					
Per Acre	18.32	22.16	21.60	22.00	22.37
Per Hour	43.00	53.33	51.22	60.00	59.64
DRYING GRAIN	- - - Cents/Bushel - - -				
Wheat, All	16.2	16.2	15.0	10.0	15.1
Barley	15.2	16.5	15.3	15.0	15.3
Corn	18.0	21.1	18.1	15.0	17.6
Oats	NA	18.3	14.7	15.0	15.1
Flax	NA	18.9	17.2	30.0	17.2
Sunflower (per cwt.)	27.3	28.9	28.6	20.0	30.9
HAULING CHARGES					
HAULING GRAIN					
Wheat, All	10.8	11.1	10.7	10.0	9.5
Oats	9.2	10.6	9.8	10.0	8.9
Barley	10.1	11.2	10.1	10.0	9.1
Flax	NA	11.8	11.0	10.0	9.6
Corn	NA	10.8	10.7	10.0	9.1
Sunflower (per cwt.)	14.9	16.0	17.0	10.0	16.5
HAULING HAY	- - - Dollars/Bale - - -				
Small Square Bales	.184	.170	.182	.25	.166
Large Round Bales					
800-999 lbs.	1.73	1.72	1.50	2.00	2.38
1000-1500 lbs.	3.00	1.97	2.00	1.00	2.72
Over 1500 lbs.	4.25	NA	2.20	1.00	2.50
MOVING LOOSE HAYSTACKS	- - - Dollars/Stack - - -				
1.5 - 3 Ton	9.52	9.24	10.10	10.00	11.18
3 - 6 Ton	13.29	10.68	12.24	10.00	11.97
More Than 6 Ton	13.19	11.93	12.71	10.00	12.44
CLEANING & TREATING	- - - Dollars/Bushel - -				
SEED GRAIN					
Cleaning Only	.221	.240	.254	.25	.275
Treating Only	.263	.270	.318	.50	.404
Cleaning & Treating	.457	.486	.542	.50	.678
FLAXSEED					
Cleaning Only	.409	.419	.426	.50	.438
Treating Only	.313	.303	.381	.45	.400
Cleaning & Treating	.719	.702	.766	.60	.773
MISCELLANEOUS					
SPRAYING LIVESTOCK	- - - Dollars/Head - - -				
Cattle	.55	.67	.71	1.00	1.10
Sheep	.53	.65	.73	--	.98
DIPPING LIVESTOCK					
Cattle	1.36	1.21	1.28	1.00	1.50
Sheep	.95	.94	1.08	1.00	1.21
BRANDING LIVESTOCK					
Calves	1.15	1.03	1.15	1.00	1.13
Sheep	.88	.83	1.07	1.00	1.03
Shearing Sheep	1.34	1.36	1.38	1.25	1.39
DIGGING POST HOLES ($/Hole)	1.14	1.45	1.42	1.00	1.65
Average Depth (Feet)	3.1	3.4	3.4	3.0	3.0
ON-FARM FEED GRINDING & MIXING	- - - Dollars/100 Bu. - - -				
Mobile Truck	12.03	15.21	15.08	25.00	23.68
PTO Unit	11.35	11.93	13.15	16.50	16.08
	- - - Dollars/Hour - - -				
Farm Drainage/Ditching	43.24	48.32	50.54	50.00	56.80
Land Leveling	42.67	52.50	51.55	60.00	55.21
Rock Picking	22.34	33.07	37.02	20.00	35.69

* Combined average of all types listed separately in detailed report, i.e. with fertilizer, without fertilizer, minimum till, etc.

-NOTES-

CROP - WEATHER

A Historic Perspective

from Planting...

...to Harvest

WEATHER

THE RELATIONSHIP OF WEATHER TO AGRICULTURE

The influence of weather and climate on crop production has been noted since man first began planting seeds. Since that time he has been able to improve his production capabilities with new and better seed, improved fertilizer, more efficient machinery, and better management. Efforts to control weather, perhaps the single most important factor in crop production, however, have often proved frustrating and fruitless.

Temperatures and moisture together, or separately, largely determine which crops can be grown in a particular region. Temperatures control the length of the growing season and combined with precipitation greatly influence plant performance throughout the season to largely determine yield. Aside from these obvious responses of plants to weather, decision making such as tillage, seeding, spraying, harvesting, crop drying and storage are often directly influenced by temperatures and moisture conditions.

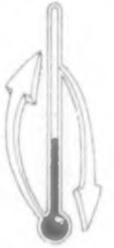
One of the major restrictions placed on agricultural production by temperatures is the length of the growing season. The growing season may be defined as that time period between the last injurious frost in the spring and the first injurious frost in the fall. Using this definition for the growing season, a farmer in any locality must select those crops which can be planted after the last killing frost in the spring and develop to maturity before the first killing frost in the fall.

The short season crops, mostly cereal grains such as wheat, oats and barley, are the principal crops grown in northern regions of the United States, where the growing season is relatively short. As one travels south the growing season lengthens and the full season crops such as corn, sorghum and soybeans play a larger role in agricultural production. In North Dakota where the growing season is generally confined to a 110 to 150 day period, crop production centers on the short season crops.

The maps and tables included in this section are intended to furnish the user with the average expected growing period for his locality. Crops need to be planted after frost damage is minimal in the spring and early enough to allow the plant to reach maturity before it will be damaged by frost in the fall.

Air and soil temperatures are closely related. For most short season crops, soil temperature must be 40°F or above for germination to take place. For full season crops, soil temperature needs to be 50°F or above. In order for soil temperature to reach the 40°F or 50°F range, a four to five day average temperature of 40°F to 50°F must be maintained.

Air temperatures also correspond very closely to plant activity and growth. It has been determined, for instance, that even with optimum fertility and soil moisture levels, only limited plant growth occurs below 40°F. When this condition occurs, the plant is placed under stress to maintain plant vigor and avoid damage. An extended period of below 40° temperature conditions also increases the probability of freeze damage to the plant.



Injury to field crops can also result from extremely high temperatures, usually above 90°F for most cereal crops. As air temperature increases above 90°F, a critical point is reached where the plant loses more moisture through its leaves than it can draw from the soil. When this condition occurs, normal plant development ceases and the plant struggles to preserve its present condition. A decrease in normal plant activity during the critical flowering or heading stage can result in improperly filled heads at maturity and cause a corresponding decrease in normal yield.

The other major factor contributing to crop production is soil moisture. Soil moisture stored from the previous fall is usually sufficient for germination and early plant growth. As the plant develops and moisture requirements increase, it is necessary for soil moisture to be recharged by rainfall during the growing season or be drawn from stored subsoil supplies. Soil moisture sup plies that are either too great or too small, coupled with extreme temperatures, will place a growing crop under varying degrees of stress. Depending on the amount of stress placed on the growing crop, serious yield reductions can occur.

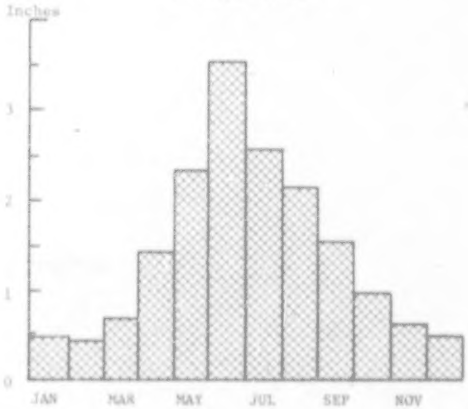
Critical Temperatures

Below and near-freezing air temperatures offer a special hazard to agriculture in North Dakota during the immediate weeks after planting and during early fall before harvest. While small grains may survive single, isolated occurrences of these low temperatures, exposure for an extended period of time may be detrimental. Three types of freeze occurrences are recognized:

1. Light freeze - when air temperatures dip into the range from 28°-32°F.
2. Moderate freeze - when nighttime temperatures fall in the range between 24°-28°F.
3. Severe freeze - when temperatures dip below 24°F.

Injury to field crops can also result from extremely high temperatures. 98.6°F is considered an upper cardinal (above which normal growth is impeded) temperature for oats, wheat and barley. When extremely high temperatures occur during prolonged rainless periods, the result can be totally catastrophic to crop yields.

Average Monthly Precipitation
in North Dakota



CLIMATE OF NORTH DAKOTA

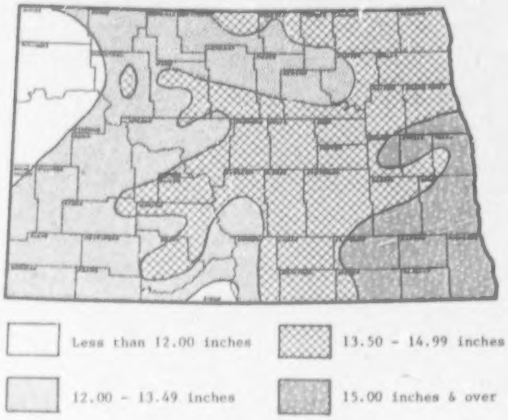
Weather conditions can be defined as the existing day to day atmospheric conditions, and climatic conditions would then be defined as long-term averages and variations of weather conditions. One other very important difference between weather and climate is that weather is a constantly changing condition while climate is relatively stable over time. When climatic changes do occur, they are so slow that they are not immediately noticed by man. The livelihood and activities of man in a particular region are governed largely by that region's climate.

North Dakota owes its climate primarily to its location at the geographic center of North America. The continental climate of North Dakota is characterized by large temperature changes with well defined seasons. Precipitation is light to moderate and tends to be irregular at times. Low relative humidity, plentiful sunshine and nearly continuous air movement are also characteristic.

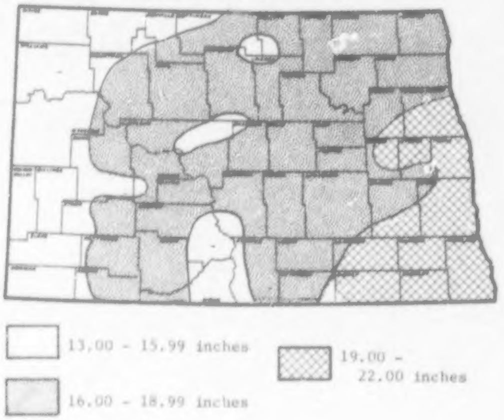
The climate of North Dakota is influenced from three distinct areas: the Rocky Mountains, the Polar region and the Gulf of Mexico. The Rocky Mountains act as a barrier to the prevailing westerly flow of air in the atmosphere. Pacific air masses that cross the Rocky Mountains to reach North Dakota are usually mild and dry and provide the state with warm, sunny days. Air masses from the Polar region usually bring cold, dry air with them and are most famous for North Dakota's national prominence in winter months. The air masses moving northward from the Gulf of Mexico are usually warm and moist and are the major source of precipitation. The lack of natural barriers to air flow from the north and south as well as air movement from the west, results in frequent and rapid weather changes in accordance with the dominant air mass moving through the state at a specific time.

The normal average temperature for North Dakota ranges from 37° in the northeast to 43°F in the southwest. The normal north-south temperature gradient is modified somewhat by topography. Temperatures, as a rule, decrease 2° to 4°F per 1,000 feet of eleva-

GROWING SEASON PRECIPITATION
North Dakota, April-September, 1951-80 Avg.



ANNUAL PRECIPITATION
North Dakota, 1951-80 Avg.



Monthly Precipitation by Crop Reporting Districts,
North Dakota, 1951-80 Average

District	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
						(Inches)							
Northwest	.47	.44	.53	1.43	2.16	3.13	2.06	1.94	1.79	.90	.45	.45	15.75
North Central	.49	.41	.61	1.33	2.11	3.19	2.49	2.51	1.82	.89	.48	.48	16.81
Northeast	.55	.41	.71	1.33	2.24	3.13	2.77	2.65	2.05	1.06	.62	.51	18.03
West Central	.45	.44	.56	1.52	2.26	3.53	2.34	1.91	1.70	.81	.49	.45	16.46
Central	.49	.43	.64	1.51	2.38	3.62	2.63	2.15	1.72	.96	.51	.46	17.50
East Central	.51	.40	.76	1.69	2.37	3.48	2.94	2.58	2.10	1.23	.68	.55	19.29
Southwest	.39	.43	.58	1.54	2.48	3.62	2.09	1.69	1.46	.84	.48	.38	15.98
South Central	.41	.40	.61	1.64	2.46	3.47	2.18	1.89	1.46	.83	.46	.40	16.21
Southeast	.48	.49	.79	1.93	2.70	3.75	2.74	2.52	1.83	1.11	.62	.48	19.44
STATE	.47	.43	.64	1.55	2.35	3.44	2.47	2.20	1.77	.96	.53	.46	17.27

CLIMATE OF NORTH DAKOTA CONT.

tion. Terrain elevations cause two cold troughs in the state, with warmer temperatures surrounding them.

The western cold trough extends from Burke County to McLean County and then southwestward into Slope County. The eastern trough extends southward from Cavalier County into Foster and Eddy Counties and then curves southwestward through Stutsman County into Logan and McIntosh County. The Turtle Mountains in Cavalier and Towner Counties also produce a markedly different temperature pattern due to their abrupt rise from the surrounding prairie.

January is usually the coldest month of the year. In January, some of the coldest temperatures in the contiguous United States are reported in the northeastern part of the state, which has an average January temperature of about 2°F. Temperatures in southwestern North Dakota average 10 to 15 degrees warmer due to warm chinook winds occasionally reaching that portion of the state.

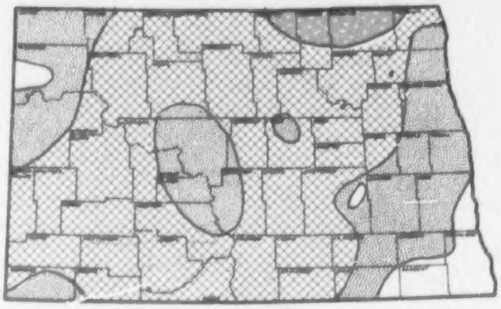
March is a transitional month from winter to spring, with a gradual increase in temperature noticed across the state. April brings rapidly rising temperatures which average 16 to 19 degrees warmer than March. This temperature increase continues through July, which is normally the warmest month of the year.

Summer days are quite warm, even hot, with usual cool nights. Temperatures during the summer months average in the 60's and low 70's. The first fall frost signals the end of summer and a gradual cooling of temperatures. Fall days are usually pleasantly warm with cool nights. Temperatures continue to cool through October and by November temperatures again average below freezing.

Annual precipitation ranges from 13 inches in the northwest to 20 inches in parts of the Red River Valley. Precipitation generally increases as one travels east. Exceptions are the soutwest portion, which averages 16 inches, higher than surrounding areas, and the north central area which is slightly less than 16 inches, somewhat less than surrounding areas. Snowfall ranging from 26 to 38 inches accounts for 3 to 5 inches of annual precipitation.

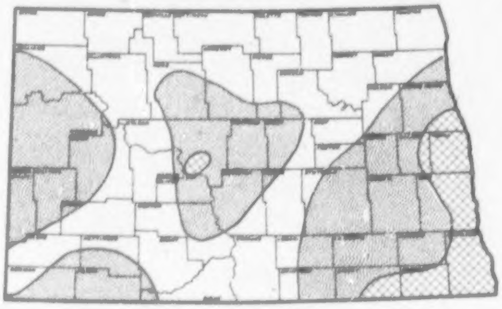
Precipitation is light and nearly always in the form of snow during winter months. Low pressure systems forming on the eastern slopes of the Rocky Mountains are the main source of winter precipitation. In April, precipitation increases and the source shifts to the Gulf of Mexico. Rainfall reaches its peak in June, averaging 3 to 4 inches in a north-south pattern across the state. Precipitation amounts usually decrease during late summer and fall and permit a rapid harvest of crops.

Avg. Dates of Last Killing Spring Frost
(28°F or Below), North Dakota

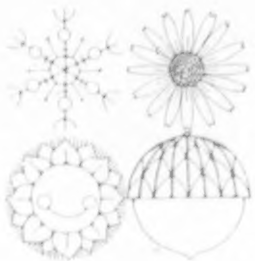


☐ May 5 & earlier
░ May 6 - May 10
▨ May 11 - May 15
■ May 16 & later

Avg. Dates of First Killing Fall Frost
(28°F or Below), North Dakota



☐ Sept. 16-25
░ Sept. 26-30
▨ Oct. 1-5



Monthly Temperature by Crop Reporting Districts,
North Dakota, 1951-80 Average

District	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
							(Degrees)						
Northwest	5.1	12.3	23.0	40.3	53.3	62.5	68.4	66.5	55.4	44.4	26.5	13.5	39.3
North Central	2.7	9.9	21.5	40.0	53.6	62.9	68.2	66.3	55.2	44.2	25.8	11.2	38.5
Northeast	1.4	8.7	21.1	39.8	53.8	63.3	68.2	66.3	55.7	44.5	25.8	10.2	38.2
West Central	6.9	14.2	24.7	41.3	54.2	63.5	69.6	68.1	56.8	45.6	28.2	15.5	40.7
Central	5.3	12.1	23.8	41.2	54.4	63.9	69.5	67.9	56.8	45.6	27.5	13.4	40.1
East Central	4.7	11.5	24.1	41.9	55.5	64.8	70.0	68.4	57.7	46.4	27.9	12.7	40.5
Southwest	11.2	18.3	27.0	41.6	53.7	63.0	69.6	58.2	56.9	45.8	29.3	18.6	41.9
South Central	8.6	15.6	26.2	42.4	55.8	64.4	70.7	69.2	57.9	46.6	29.3	16.5	41.9
Southeast	6.6	13.3	25.3	42.5	55.5	65.0	70.7	69.0	58.1	46.8	29.0	14.7	41.4
STATE	5.8	12.9	24.1	41.2	54.3	63.7	69.4	67.8	56.7	45.5	27.7	14.0	40.3

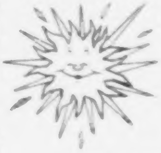
THE GROWING SEASON

The growing season is usually considered to be the number of days in a year that a plant can grow. For most crops grown in North Dakota it is that time period between the last killing frost in the spring and the first killing frost in the fall. Grasses, however, begin plant growth before the last killing spring frost and root crops such as sugarbeets and potatoes continue to grow after the first killing fall frost. For North Dakota crops, except fall sown small grains and forage crops, planting time is chosen so that growth, development and harvest closely follow the growing season, which normally covers 110 to 150 day time period in a modified north to south pattern.

The growing season in North Dakota is generally considered to run from mid-April to mid-September. Temperatures and moisture conditions during this time period are generally favorable for rapid plant growth required by the plant to mature in a relatively short time period.

The average temperature from April through July ranges from 54°F in Cavalier and Towner counties to 62°F in the extreme southeast. These averages do not reflect the long warm sunny days and the cool nights which are highly favorable for small grain crop growth.

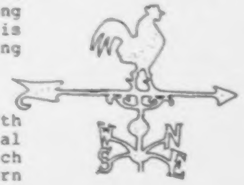
These long sunny days during the growing season allow for an unusually large amount of solar energy to reach growing crops. This high energy input is another important factor to successful agriculture in North Dakota.



High energy levels can also result in extremely hot days which can damage crops. When a growing crop is subjected to extremely high temperatures during stooling or the milk to dough stage, yields may be significantly reduced due to tiller loss or improper filling of heads.

North Dakota's precipitation is usually adequate for the commercial crops grown. Approximately 50 to 60 percent of the annual precipitation falls in the 4-month period from April through July, while nearly 75 percent occurs in the 6-month period from April through September, the major growing season.

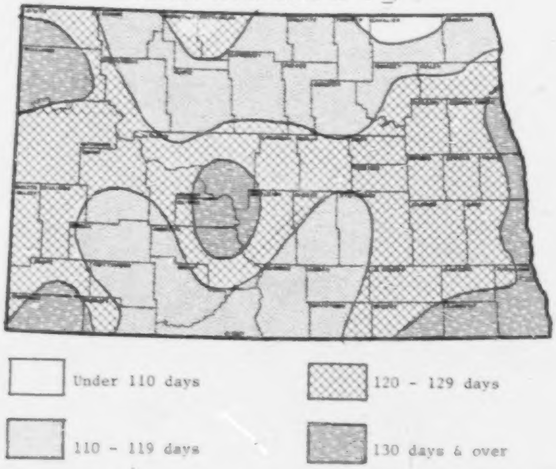
Distribution of the average daily precipitation is also favorable for crop production. Rainfall in spring is light, allowing fields wet with melting snow to dry which facilitates rapid land preparation. Average daily rainfall increases until late June before declining gradually until December. The declining rainfall, along with abundant sunshine, is very favorable for maturing and harvesting crops.



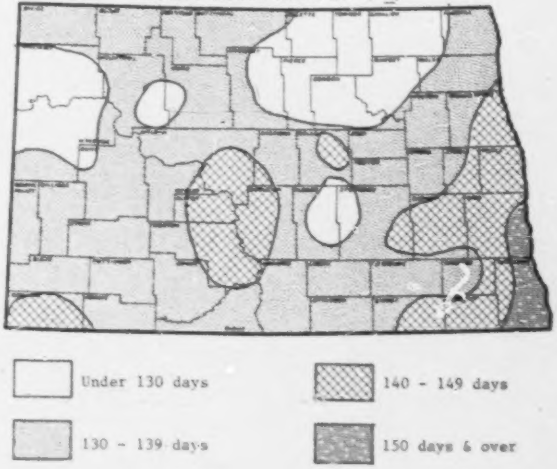
Crop planting in North Dakota follows a general south to north pattern each spring, but this pattern varies somewhat from year to year, depending primarily on weather conditions. As a rule, small grain seeding begins as early as soil conditions and temperatures permit. Seeding progress at the start of the season is normally relatively slow, but increases rapidly as soils dry from winter snows. Small grain seeding is normally complete by early June and by late June for other crops.

Harvest of winter wheat and rye begins in late June with other small grain harvest beginning in early August. Harvest is usually quite rapid and is complete by late September for small grains. Row crop harvest begins shortly after small grain harvest ends, with October being the busiest month. By November, cold temperatures generally limit farm activities and fields and farm machinery are idle until planting time the next spring.

LONG-TERM AVERAGE NUMBER OF DAYS IN GROWING SEASON ABOVE 32° F 1/



LONG-TERM AVERAGE NUMBER OF DAYS IN GROWING SEASON ABOVE 28° F 1/



CROPS

USUAL PLANTING AND HARVEST DATES

Small grain seeding in North Dakota begins in early fall as farmers sow winter wheat and rye. Seeding begins in early September and is usually completed by mid-October. The bulk of small grain seeding, however, is done the next spring as spring and durum wheat, barley and oats are planted on about 95 percent of the total small grain acreage. Seeding normally begins in mid-April and is completed by early to mid June.

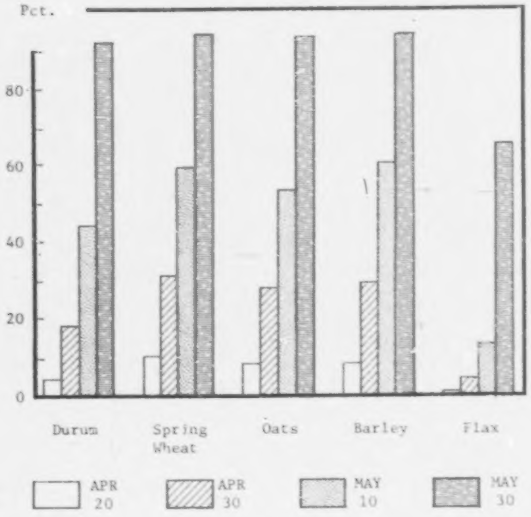
Harvest of small grains normally begins in late July and is in full swing from early August to early September. Winter wheat and rye harvest is usually completed by late August, while barley and oats are in by mid-September. Spring and durum wheat harvest is normally finished by late September.

Sugarbeets are the first late season crop to be put in with planting normally beginning by April 15, and ending by mid to late May. Corn and flaxseed follow with planting normally running from early May to mid-June. Dry edible bean, soybean and sunflower planting usually starts around May 10 and is completed by mid-June.

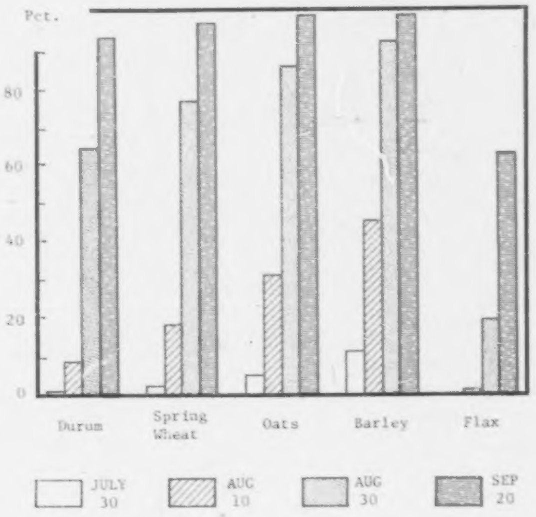
Combining of late crops can begin as early as August 20 for flax. Flax harvest is usually finished by the end of October. Harvest of dry beans, corn for silage and forage begin at the end of August and is completed by mid to late October. Soybean, sugarbeet and corn for grain harvests normally begin during the last two weeks of September. Sugarbeet digging is completed by late October and soybean harvest runs through early November. Corn harvest usually continues through mid to late November. Sunflower harvest begins in late September and runs through late November. Farmers around the State cut and harvest hay from mid-June through mid-September.

PLANTING AND HARVEST PROGRESS BY DATE

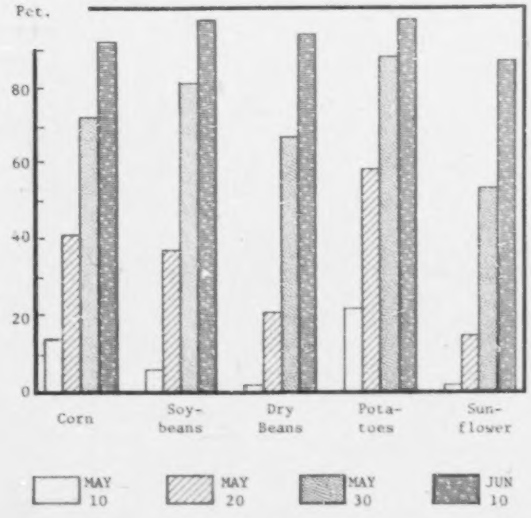
SMALL GRAINS PLANTED
North Dakota, 5-Year Average, 1981-85



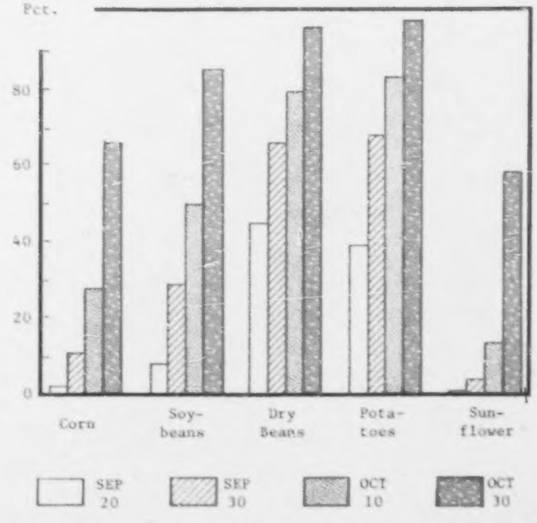
SMALL GRAINS HARVESTED
North Dakota, 5-Year Average, 1981-85



ROW CROPS PLANTED
North Dakota, 5-Year Average, 1981-85



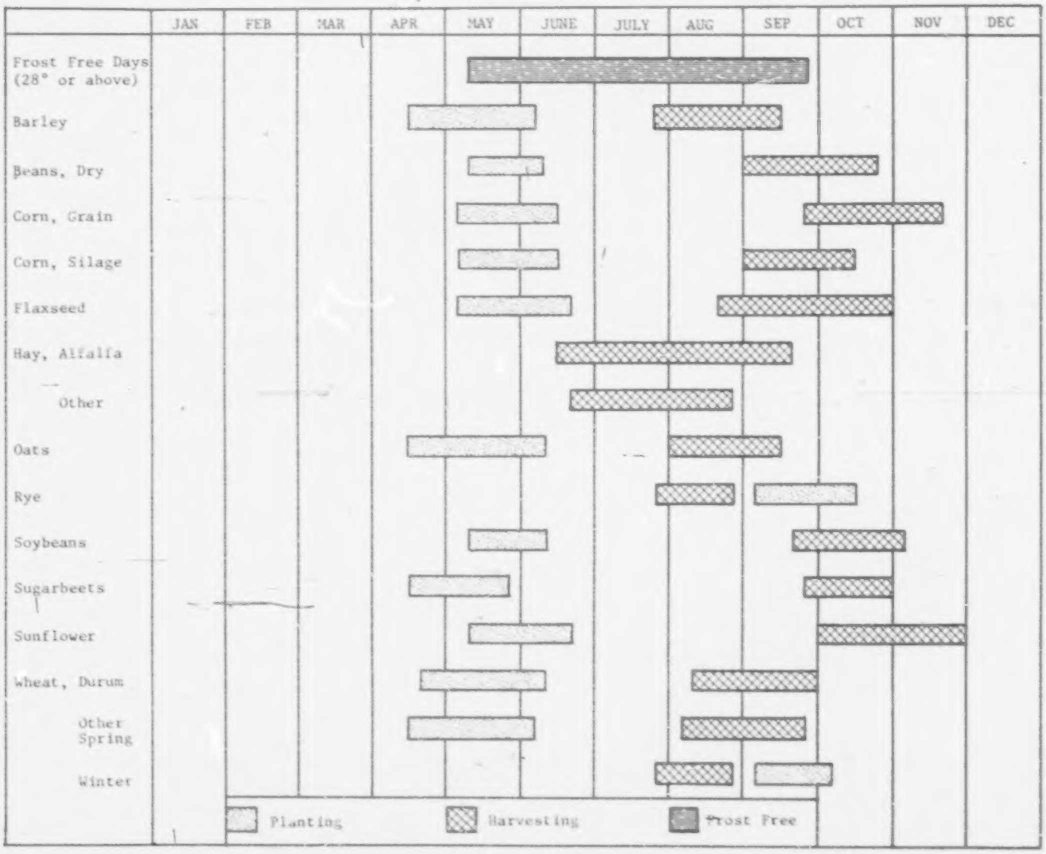
ROW CROPS HARVESTED
North Dakota, 5-Year Average, 1981-85



Usual Planting and Harvesting Dates by Crop and Principal Producing Areas, North Dakota

Crop	1985 Harvested Acreage (000)	Usual Planting Dates	Usual Harvesting Dates			Principal Producing Areas & Counties
			Begin	Most Active	End	
Barley	3,350	APR 15 - JUN 5	JUL 25	AUG 5 - SEP 5	SEP 15	Statewide
Beans, Dry	237	MAY 10 - JUN 10	AUG 30	SEP 10 - OCT 10	OCT 25	Pembina, Walsh, Cass Griggs, Grand Forks, Traill, Richland, Steele, Wells
Corn, Grain	560	MAY 5 - JUN 15	SEP 25	OCT 10 - NOV 10	NOV 20	3, 5, 6, 9
Silage	360	MAY 5 - JUN 15	AUG 30	SEP 15 - OCT 10	OCT 15	Statewide
Flaxseed	445	MAY 5 - JUN 20	AUG 20	SEP 5 - OCT 15	OCT 30	Statewide
Hay, Alfalfa	1,500		JUN 15		SEP 20	Statewide
Other	1,450		JUN 20		AUG 25	Statewide
Oats	840	APR 15 - JUN 10	JUL 30	AUG 10 - SEP 9	SEP 15	Statewide
Rye	80	SEP 5 - OCT 15	JUL 25	JUL 30 - AUG 20	AUG 25	Statewide
Soybeans	490	MAY 10 - JUN 10	SEP 20	SEP 30 - OCT 25	NOV 5	3, 6, 9
Sugarbeets	144	APR 15 - MAY 25	SEP 25	OCT 5 - OCT 25	OCT 30	Williams, Grand Forks, Pembina, Walsh McKenzie, Cass, Traill, Richland,
Sunflower	2,030	MAY 10 - JUN 20	SEP 30	OCT 10 - NOV 10	NOV 30	Statewide
Wheat, Durum	2,690	APR 20 - JUN 10	AUG 10	AUG 20 - SEP 15	SEP 30	Statewide
Other	5,730	APR 15 - JUN 5	AUG 5	AUG 15 - SEP 10	SEP 25	Statewide
Winter	450	SEP 5 - OCT 5	JUL 25	JUL 30 - AUG 20	AUG 25	Statewide

CROP CALENDAR, NORTH DAKOTA



SOURCE: Usual Planting and Harvesting Dates for U.S. Field Crops, USDA-SRS, April 1984.

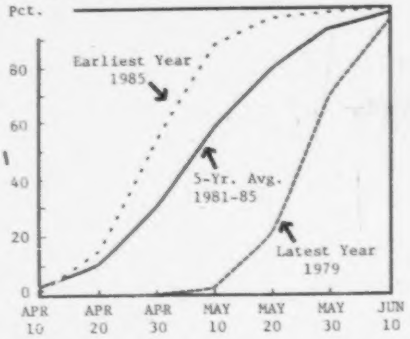
SPRING WHEAT

PLANTING, DEVELOPMENT AND HARVEST PROGRESS

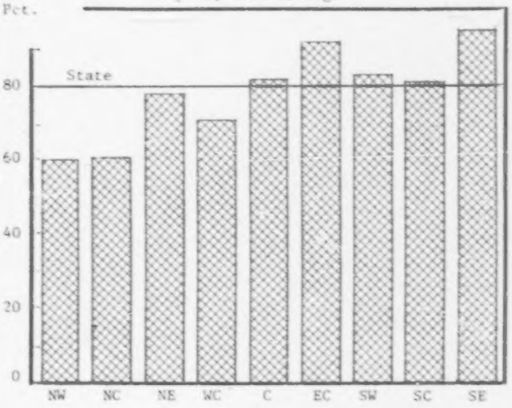
Hard red spring wheat is North Dakota's leading cash crop. North Dakota traditionally leads all other spring wheat producing states and annually accounts for just slightly less than half of the United States production. Acreage in recent years has been around 6 million acres. Other spring wheat is grown throughout the state, with counties in the Red River Valley being the leading producers. A record acreage of nearly 9 million acres was recorded in 1933 with 1976 acreage just over 8 million. The largest dollar value, $776 million, was recorded for the 1982 crop.

Planting begins as early in the spring as weather and soil conditions permit, which is normally about mid-April. Planting is usually nearing completion by June 1. The crop grows and matures rapidly during the months of June and July with harvest usually beginnng in early August and nearing completion by late September.

Percent Planted, North Dakota, 1976-85



Percent Planted by District, May 20, 1981-85 Avg.



Percent Planted, North Dakota, 1976-85 & 1981-85 Avg.

Year	April 10	April 20	April 30	May 10	May 20	May 30	June 10
				STATE			
1976	5	20	39	71	92	99	100
1977	1	10	48	81	95	99	100
1978	0	1/	3	23	55	88	98
1979	0	0	1/	2	21	70	96
1980	1/	12	45	73	85	93	98
1981	11	31	57	77	92	97	99
1982	0	1	14	44	55	81	97
1983	0	1	14	47	71	95	100
1984	0	4	15	39	83	98	100
1985	1	15	55	88	97	99	100
District			1981-85 AVG. BY DISTRICT				
Northwest	1/	2	12	33	60	90	99
North Cent.	1/	1	7	32	61	91	99
Northeast	1/	4	21	54	78	94	98
West Cent.	2	7	21	48	71	92	99
Central	1	8	26	56	82	96	99
East Cent.	6	14	40	76	92	99	100
Southwest	2	16	47	70	83	90	98
South Cent.	3	11	34	59	81	94	98
Southeast	5	22	55	81	95	99	100
State	2	10	31	59	80	94	99

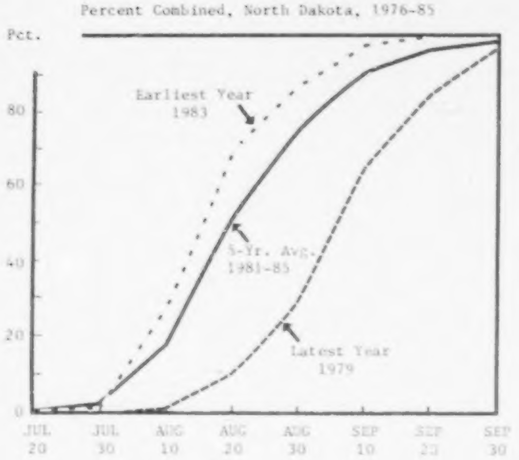
Percent Headed and Turning, North Dakota, 1976-85 & 1981-85 Avg.

Year	Headed & Beyond						Turning & Beyond					
	June			July			July			August		
	10	20	30	10	20	30	10	20	30	10	20	30
			STATE							STATE		
1976	4	26	53	83	98	99	4	29	64	91	97	100
1977	8	31	62	87	97	100	14	41	74	92	97	100
1978	0	2	18	56	89	99	1/	10	39	75	92	99
1979	0	0	4	29	70	96	0	1	11	48	83	100
1980	6	22	45	71	91	98	7	29	63	86	94	98
1981	3	15	42	75	94	98	6	26	59	87	97	100
1982	1/	2	12	44	75	93	1	6	27	67	90	100
1983	1/	2	24	66	92	100	1/	11	47	90	99	100
1984	0	3	21	63	91	100	2	11	43	88	90	100
1985	2	14	41	81	96	100	5	27	64	91	96	98
District		1981-85 AVG. BY DISTRICT						1981-85 AVG. BY DISTRICT				
Northwest	1/	2	8	40	81	96	1/	3	27	73	92	99
North Cent.	0	1	6	33	79	94	1/	1	22	70	91	96
Northeast	0	2	18	56	86	97	1	9	31	76	94	99
West Cent.	1	6	22	58	87	98	2	10	41	80	96	99
Central	1/	3	22	73	92	98	2	12	50	87	98	100
East Cent.	1	8	42	88	98	100	4	20	61	95	100	100
Southwest	1	8	29	66	88	97	4	22	55	83	97	100
South Cent.	0	8	27	63	89	97	3	19	54	88	99	100
Southeast	5	19	53	93	99	100	7	38	78	98	100	100
State	1	7	28	66	90	98	3	16	48	85	94	100

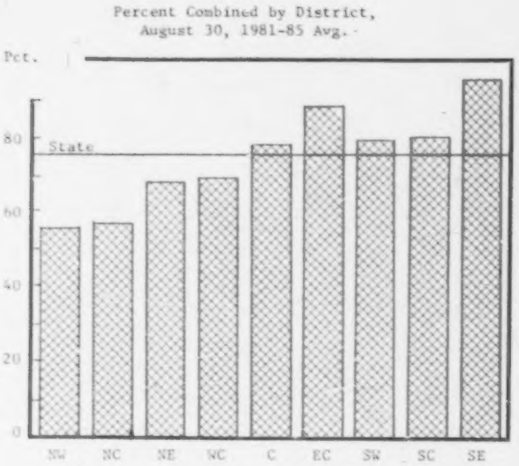
1/ Less than one-half of one percent.

SPRING WHEAT CONT.

Percent Combined, North Dakota, 1976-85



Percent Combined by District,
August 30, 1981-85 Avg.



Percent Swathed and Combined, North Dakota, 1976-85 & 1981-85 Avg.

Year	Swathed & Beyond						Combined						
	July	August			September		July	August			September		
	30	10	20	30	10	20	30	10	20	30	10	20	30
	STATE						STATE						
1976	19	61	83	96	100	100	6	29	57	86	99	100	100
1977	31	62	85	95	96	99	11	30	58	78	83	93	96
1978	5	34	68	85	96	98	1	13	40	62	88	94	98
1979	1/	7	34	63	88	96	0	1	10	29	65	85	97
1980	24	54	67	77	90	94	7	28	42	57	78	86	91
1981	14	45	82	95	99	100	3	17	58	84	96	100	100
1982	4	27	58	80	95	96	1	12	34	61	85	96	100
1983	6	56	90	95	100	100	1	28	70	87	98	100	100
1984	5	40	86	98	100	100	1	15	60	90	100	100	100
1985	13	44	63	78	88	92	3	20	38	57	77	87	94
District	1981-85 AVG. BY DISTRICT						1981-85 AVG. BY DISTRICT						
Northwest	1	20	54	76	88	92	1/	8	30	56	82	89	94
North Cent.	1	18	53	78	92	96	1/	4	29	57	82	93	98
Northeast	2	24	63	85	94	97	1/	8	38	68	86	95	99
West Cent.	8	35	72	89	98	99	2	10	41	69	92	97	99
Central	8	46	80	92	98	99	1	20	59	78	94	98	99
East Cent.	5	56	89	96	99	100	1	22	64	88	95	99	100
Southwest	11	44	78	90	98	100	2	17	55	79	93	98	100
South Cent.	10	49	81	93	98	100	4	23	57	80	94	99	100
Southeast	19	75	96	100	100	100	6	46	81	95	99	100	100
State	8	42	76	89	96	98	2	18	52	76	91	97	99

1/ Less than one-half of one percent.

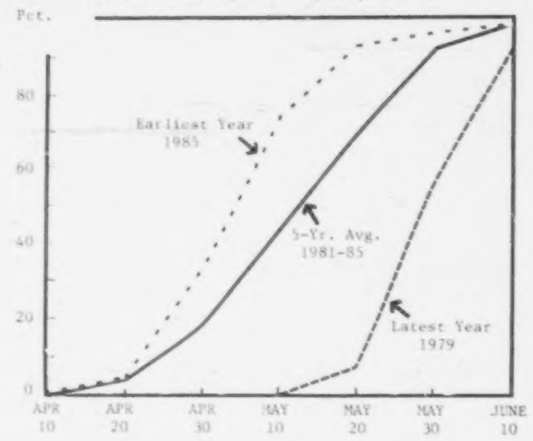
DURUM WHEAT

PLANTING, DEVELOPMENT AND HARVEST PROGRESS

North Dakota has long been the Nation's leading producer of durum wheat. Annually about 75-80 percent of United States durum production is credited to North Dakota. Durum is grown throughout the state with principal producing areas in the northern half of the state. A record 5 million acres was seeded in 1928, with 1981 being the next largest at 4.5 million acres. Acreage in recent years has been at about 3 million acres.

Planting of durum usually starts about mid-April and is nearing completion by June 10. Development is rapid during long summer days with harvest beginning about mid-August and completed the end of September.

Percent Planted, North Dakota, 1976-85

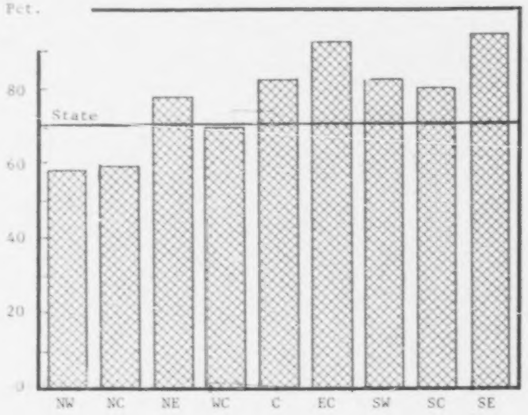


Percent Headed & Turning,
North Dakota, 1976-85 & 1981-85 Avg.

Year	June			July		
	10	20	30	10	20	30
	HEADED & BEYOND					
1976	2	14	36	75	96	99
1977	4	20	46	79	94	100
1978	0	1	11	42	85	99
1979	0	0	1	12	54	92
1980	3	13	41	63	87	97
1981	1	6	33	64	89	97
1982	0	2	7	31	68	90
1983	1/	1	11	42	85	99
1984	0	2	11	43	84	100
1985	1	5	23	66	92	99
5-Yr. Avg.	1/	3	17	49	84	97

Year	July			August		
	10	20	30	10	20	30
	TURNING & BEYOND					
1976	2	13	45	78	92	100
1977	6	24	51	81	95	100
1978	1/	6	26	59	85	100
1979	0	1/	5	26	63	100
1980	5	16	46	76	89	99
1981	3	12	41	80	95	99
1982	1/	3	14	54	85	100
1983	1/	4	31	80	98	100
1984	1/	6	32	82	89	100
1985	2	13	44	80	90	95
5-Yr. Avg.	1	8	32	75	91	99

Percent Planted by District,
May 20, 1981-85 Avg.



Percent Planted and Combined, North Dakota, 1976-85 & 1981-85 Avg.

Year	Planted						Combined					
	April		May			June	August			September		
	20	30	10	20	30	10	10	20	30	10	20	30
	STATE						STATE					
1976	8	19	50	84	98	100	14	35	71	96	100	100
1977	6	37	74	92	98	100	14	38	61	67	87	91
1978	0	1	14	46	82	97	5	26	45	80	90	95
1979	0	0	1/	8	56	92	1/	3	16	46	72	93
1980	4	32	63	82	92	98	11	21	34	63	74	83
1981	14	35	60	85	95	98	10	45	74	94	99	100
1982	1/	8	31	47	80	98	5	20	48	79	93	100
1983	1/	6	29	53	91	100	15	54	76	97	100	100
1984	2	8	26	70	96	100	8	46	86	100	100	100
1985	5	34	74	93	97	99	9	21	38	59	72	85
District	1981-85 AVG. BY DISTRICT						1981-85 AVG. BY DISTRICT					
Northwest	2	11	30	58	90	100	7	28	54	80	88	93
North Cent.	1	6	29	59	90	99	3	26	54	80	91	97
Northeast	33	19	51	77	93	98	6	32	65	85	94	98
West Cent.	7	20	45	69	93	99	9	41	71	93	98	99
Central	6	24	54	82	96	100	19	58	80	94	98	99
East Cent.	11	36	73	92	99	100	17	60	88	96	99	100
Southwest	13	45	70	82	91	98	15	54	80	94	98	100
South Cent.	8	28	56	79	95	99	18	54	79	95	99	100
Southeast	17	50	78	94	99	100	40	79	95	99	100	100
State	4	18	44	70	91	99	9	37	64	86	93	97

1/ Less than one-half of one percent.

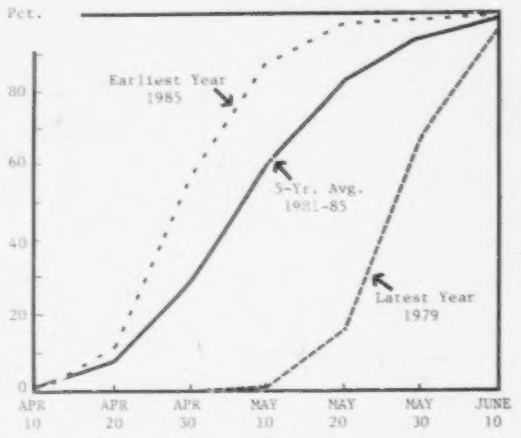
BARLEY

PLANTING, DEVELOPMENT AND HARVEST PROGRESS

North Dakota has traditionally been the Nation's leading producer of barley. Annually about 25-30 percent of U.S. barley production is credited to North Dakota. Acreage in recent years has been increasing and exceeds 3 million acres, with the largest acreage of 4.1 million acres recorded in 1959. Morex was the most popular variety grown in North Dakota between 1980-84, annually totaling over a third of the acreage. Robust became the leading variety in 1985 with over 40 percent of the acreage.

Planting of barley usually starts about mid-April and is nearing completion by June 5. Development is rapid during long summer days with harvest beginning in late July and nearing completion in mid-September.

Percent Planted, North Dakota, 1976-85

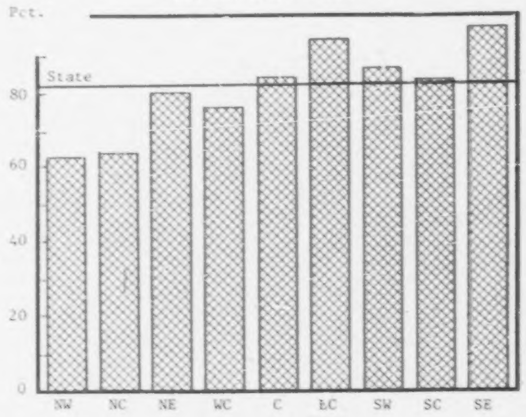


Percent Headed & Turning,
North Dakota, 1976-85 & 1981-85 Avg.

Year	June			July		
	10	20	30	10	20	30
			HEADED & BEYOND			
1976	5	31	63	88	99	100
1977	11	40	72	91	98	100
1978	0	4	29	67	94	99
1979	0	0	5	35	73	96
1980	5	24	51	75	90	98
1981	4	23	52	81	96	98
1982	1	6	27	54	83	97
1983	1/	3	30	69	94	100
1984	0	7	34	73	96	98
1985	3	21	59	88	98	98
5-Yr. Avg.	2	12	40	73	93	98

Year	June	July			August	
	30	10	20	30	10	20
			TURNING & BEYOND			
1976	-	12	45	82	97	99
1977	8	32	62	86	95	99
1978	0	4	36	70	90	98
1979	1	1	5	25	70	92
1980	1	12	38	70	88	93
1981	3	17	49	77	92	98
1982	1/	4	23	54	86	96
1983	0	3	23	73	95	100
1984	0	7	31	78	100	100
1985	1	18	53	84	99	100
5-Yr. Avg.	1	10	36	73	94	99

Percent Planted by District,
May 20, 1981-85 Avg.



Percent Planted and Combined, North Dakota, 1976-85 & 1981-85 Avg.

Year	Planted						Combined					
	April		May			June	July		August			September
	20	30	10	20	30	10	20	30	10	20	30	10
			STATE						STATE			
1976	9	30	66	92	99	100	2	15	56	78	96	100
1977	9	44	81	94	99	100	7	32	53	79	92	94
1978	0	2	26	61	90	98	1/	10	44	74	87	96
1979	0	0	1	16	67	95	0	1/	6	32	59	85
1980	9	39	67	82	89	97	1	14	37	48	63	83
1981	23	46	73	87	94	97	1	15	44	79	92	99
1982	1	19	54	66	82	98	1/	8	33	62	86	95
1983	1/	9	38	71	96	100	0	6	54	89	98	100
1984	2	14	47	88	99	100	1/	9	46	85	100	100
1985	12	57	87	98	99	100	1	15	48	68	84	94
District			1981-85 AVG. BY DISTRICT						1981-85 AVG. BY DISTRICT			
Northwest	2	13	34	63	92	100	1/	3	26	58	83	96
North Cent.	1	7	34	64	89	99	1/	3	25	66	88	96
Northeast	2	20	55	80	94	98	0	3	28	67	87	97
West Cent.	8	25	51	76	94	99	1	5	27	68	90	99
Central	9	27	56	84	97	99	1	9	56	86	96	99
East Cent.	13	41	77	94	100	100	1	18	69	94	99	100
Southwest	15	49	77	86	92	99	1	13	43	80	93	98
South Cent.	8	31	57	83	96	99	3	8	42	75	91	99
Southeast	25	57	87	97	100	100	2	36	89	99	100	100
State	8	29	60	82	94	99	1/	11	45	77	92	98

1/ Less than one-half of one percent.

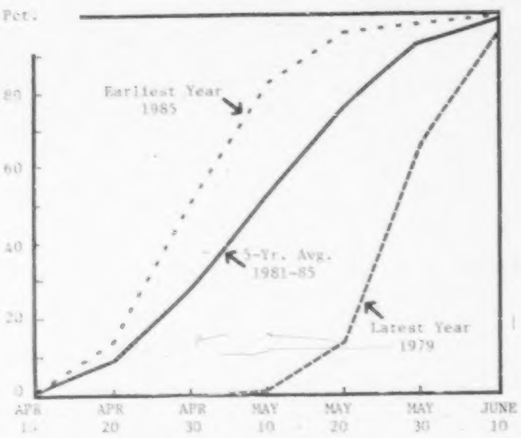
OATS

PLANTING, DEVELOPMENT AND HARVEST PROGRESS

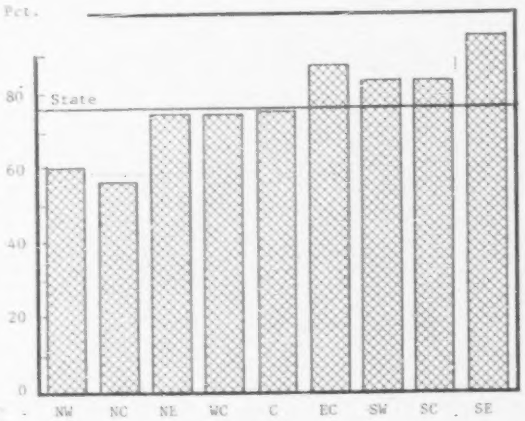
Oats is the leading feed grain grown in North Dakota. North Dakota was the fifth largest producer of oats in the Nation during 1985. Acreage in recent years has been slightly above 1 million acres. Oats are grown throughout the state, with the southeast/southcentral districts the leading areas. North Dakota's largest oats acreage of 3.0 million acres was recorded in 1970. The largest value of production was recorded for the 1983 crop at $87 million.

Planting of oats usually starts about mid-April and nears completion about June 10. Development is rapid during the summer months with harvest beginning in late July and nearing completion in mid-September.

Percent Planted, North Dakota, 1976-85



Percent Planted by District, May 20, 1981-85 Avg.



Percent Headed & Turning, North Dakota, 1976-85 & 1981-85 Avg.

Year	June 10	June 20	June 30	July 10	July 20	July 30
			HEADED & BEYOND			
1976	3	20	50	83	98	100
1977	7	28	62	88	97	100
1978	0	1	16	53	90	99
1979	0	1/	6	29	72	97
1980	4	17	49	75	91	98
1981	3	16	42	77	95	99
1982	1/	2	15	41	73	94
1983	1/	2	23	66	91	100
1984	0	4	16	56	90	100
1985	3	15	40	79	97	100
5-Yr. Avg.	1	8	27	64	89	99

Year	July 10	July 20	July 30	August 10	August 20	August 30
			TURNING & BEYOND			
1976	6	38	74	95	99	100
1977	20	48	79	94	99	100
1978	1	15	45	85	95	99
1979	0	2	18	61	90	100
1980	9	34	69	89	94	100
1981	9	34	68	91	97	100
1982	3	11	38	77	94	100
1983	2	16	58	93	99	100
1984	2	15	56	91	93	100
1985	9	37	73	94	98	99
5-Yr. Avg.	5	23	59	89	96	100

Percent Planted and Combined, North Dakota, 1976-85 & 1981-85 Avg.

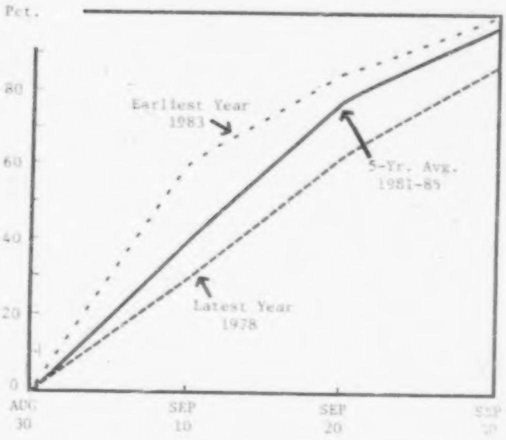
Year	Planted						Combined					
	April		May			June	July	August			September	
	20	30	10	20	30	10	30	10	20	30	10	20
			STATE						STATE			
1976	15	30	59	87	98	100	12	43	70	90	99	100
1977	7	38	76	93	98	100	18	44	72	86	90	97
1978	0	1	14	45	85	97	2	23	55	75	94	99
1979	0	0	1	14	66	95	1/	4	24	51	80	94
1980	8	42	67	86	92	97	11	41	56	72	86	92
1981	25	54	77	92	97	99	7	29	65	87	97	100
1982	1/	10	36	50	79	97	2	21	49	72	93	98
1983	1	12	41	66	94	100	3	41	76	93	100	100
1984	3	12	31	77	97	100	3	25	67	93	100	100
1985	14	51	82	96	98	100	12	39	58	79	92	99
District			1981-85 AVG. BY DISTRICT						1981-85 AVG. BY DISTRICT			
Northwest	2	10	32	60	89	99	1	17	44	72	92	97
North Cent.	1/	4	22	56	85	99	1/	6	30	68	91	98
Northeast	2	13	43	74	92	98	1	11	42	73	93	99
West Cent.	8	24	49	74	93	99	4	23	57	84	98	100
Central	6	23	49	75	94	99	3	29	65	85	96	100
East Cent.	7	30	63	87	98	100	6	35	74	93	100	100
Southwest	13	46	71	83	92	99	9	31	67	89	98	100
South Cent.	10	31	57	83	96	99	5	32	68	89	97	100
Southeast	20	51	81	95	100	100	15	71	96	100	100	100
State	9	28	53	76	93	99	5	31	63	85	96	99

1/ Less than one-half of one percent.

WINTER WHEAT

PLANTING, DEVELOPMENT AND HARVEST PROGRESS

Percent Planted, North Dakota, 1976-85



Percent Planted, Headed, Turning & Combined
North Dakota, 1976-85 & 1981-85 Avg.

Year	September			May	June		
	10	20	30	30	10	20	30
	PLANTED			HEADED & BEYOND			
1976	34	65	85	0	46	90	98
1977	39	77	92	18	62	91	99
1978	30	63	87	4	20	74	93
1979	35	72	91	0	1	31	68
1980	39	74	95	13	54	77	99
1981	33	82	98	4	39	83	96
1982	40	79	98	0	11	43	83
1983	61	85	100	1/	7	53	91
1984	39	79	94	2	26	72	96
1985	25	65	93	10	48	82	98
5-Yr. Avg.	40	78	97	3	26	67	93

Year	June	July			August
	30	10	20	30	10
	TURNING & BEYOND				
1976	12	64	92	100	100
1977	28	55	85	100	100
1978	2	21	70	98	100
1979	0	4	47	82	98
1980	29	56	88	98	100
1981	6	41	73	88	99
1982	1/	14	56	87	100
1983	1/	19	72	96	100
1984	1	34	85	99	100
1985	4	54	91	99	100
5-Yr. Avg.	2	32	75	94	100

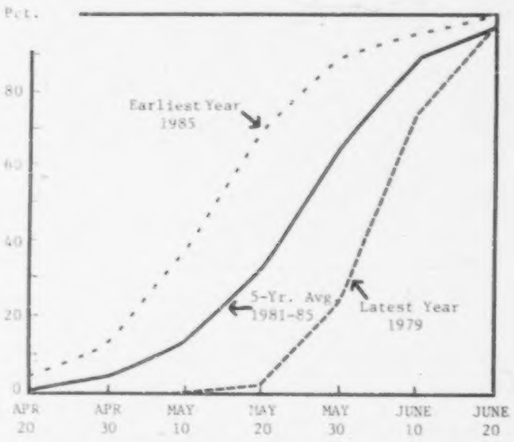
Year	July		August		
	20	30	10	20	30
	COMBINED				
1976	4	47	92	99	100
1977	6	36	82	96	100
1978	1	16	68	93	100
1979	0	3	36	79	95
1980	13	48	87	91	95
1981	1	21	58	90	100
1982	0	10	54	86	99
1983	1	19	79	99	100
1984	1	22	79	99	100
1985	2	31	74	89	96
5-Yr. Avg.	1	21	69	93	99

1/ Less than one-half of one percent.

FLAXSEED

PLANTING, DEVELOPMENT AND HARVEST PROGRESS

Percent Planted, North Dakota, 1976-85



Percent Planted, In Bloom & Combined
North Dakota, 1976-1985 & 1981-85 Avg.

Year	April	May			June	
	30	10	20	30	10	20
	PLANTED					
1976	10	22	54	80	94	98
1977	10	37	58	81	95	100
1978	0	2	13	43	80	97
1979	0	0	2	24	74	97
1980	9	19	31	48	71	88
1981	6	11	35	60	84	96
1982	1	5	11	44	77	95
1983	1	5	22	63	93	100
1984	1	4	25	71	90	96
1985	13	38	70	89	96	100
5-Yr. Avg.	4	13	33	65	88	97

Year	June	July			August	
	30	10	20	30	10	20
	IN BLOOM OR BEYOND					
1976	13	38	71	88	99	100
1977	20	50	73	90	97	100
1978	1	2	31	76	93	97
1979	0	3	26	68	91	99
1980	5	20	32	67	86	96
1981	2	21	49	79	91	98
1982	1	5	30	64	91	97
1983	6	18	54	84	97	100
1984	3	21	60	87	98	100
1985	5	30	73	87	98	100
5-Yr. Avg.	3	19	53	80	95	99

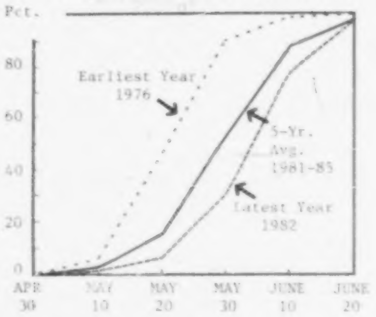
Year	August		September			October		
	20	30	10	20	30	10	20	30
	COMBINED							
1976	12	30	75	93	99	100	100	100
1977	9	29	40	59	68	76	85	95
1978	-	13	40	57	77	87	96	100
1979	-	5	16	31	62	78	93	97
1980	10	20	30	38	48	63	74	80
1981	4	11	38	63	79	86	91	96
1982	6	17	30	55	78	82	87	92
1983	9	27	61	72	86	93	96	100
1984	7	33	68	87	96	100	100	100
1985	4	9	18	32	49	61	69	92
5-Yr. Avg.	6	19	43	62	78	84	89	96

1/ Less than one-half of one percent.

SUNFLOWER

PLANTING, DEVELOPMENT AND HARVEST PROGRESS

Percent Planted, North Dakota, 1976-85

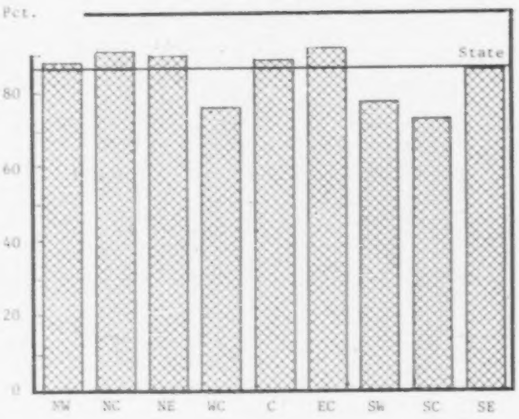


Percent In Bloom & Bracts Brown, North Dakota, 1976-85 & 1981-85 Avg.

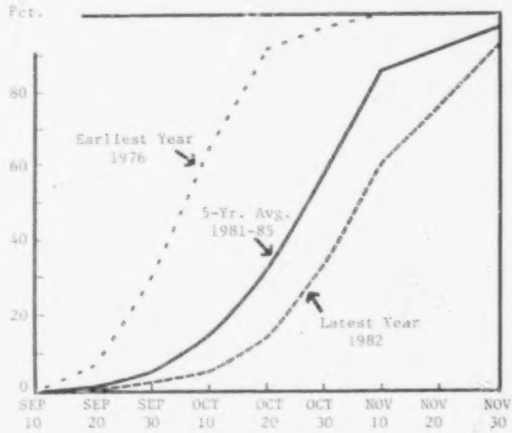
Year	July			August		
	10	20	30	10	20	30
	IN BLOOM & BEYOND					
1976	0	12	58	95	99	100
1977	11	32	63	92	99	100
1978	1	7	30	72	93	99
1979	0	1	9	43	93	96
1980	0	4	27	51	83	95
1981	0	4	20	67	89	99
1982	0	1	6	43	81	98
1983	0	2	13	70	97	100
1984	0	1	13	63	93	99
1985	0	1	10	49	81	95
5-Yr. Avg.	0	2	12	58	88	98

Year	August	September			October	
	30	10	20	30	10	20
	BRACTS BROWN & BEYOND					
1976	0	0	44	94	95	98
1977	0	0	47	85	92	95
1978	11	26	55	77	94	96
1979	0	3	27	55	87	100
1980	4	13	31	52	74	90
1981	2	20	47	71	88	97
1982	2	13	33	55	77	90
1983	5	31	60	88	100	100
1984	3	20	46	78	100	100
1985	2	6	13	49	80	95
5-Yr. Avg.	3	18	40	68	89	96

Percent Planted by District, June 10, 1981-85 Avg.



Percent Combined, North Dakota, 1976-85



Percent Planted and Combined, North Dakota, 1976-85 & 1981-85 Avg.

Year	Planted					Combined						
	May			June		Sept.	October			November		
	10	20	30	10	20	30	10	20	30	10	20	30
	STATE					STATE						
1976	6	47	90	99	100	30	65	92	98	100	100	100
1977	18	57	87	98	100	8	21	50	84	95	97	99
1978	2	18	53	86	98	16	35	68	91	99	99	100
1979	0	2	40	84	100	3	16	38	61	79	90	98
1980	10	27	50	76	94	5	20	41	55	82	90	94
1981	4	29	61	87	98	7	17	36	63	94	98	99
1982	1	6	31	77	97	2	5	14	33	61	76	92
1983	1	8	51	92	99	11	29	60	91	100	100	100
1984	1	12	56	84	98	3	20	37	62	93	98	100
1985	4	21	67	93	100	1/	1	8	40	83	88	93
District	1981-85 AVG. BY DISTRICT					1981-85 AVG. BY DISTRICT						
Northwest	3	16	53	88	100	5	16	33	59	85	92	95
North Cent.	2	15	56	91	100	1	6	23	48	79	90	95
Northeast	2	19	61	90	99	2	11	23	45	75	86	94
West Cent.	1	11	39	76	98	9	18	33	61	82	92	97
Central	3	13	54	89	98	4	14	34	62	91	96	98
East Cent.	3	18	58	92	100	3	13	30	62	92	97	99
Southwest	3	17	50	77	95	2	13	33	68	90	94	99
South Cent.	3	17	41	73	95	3	10	29	56	86	91	96
Southeast	2	15	47	86	97	11	28	46	71	95	99	100
State	2	15	53	87	98	5	14	31	58	86	92	97

1/ Less than one-half of one percent.

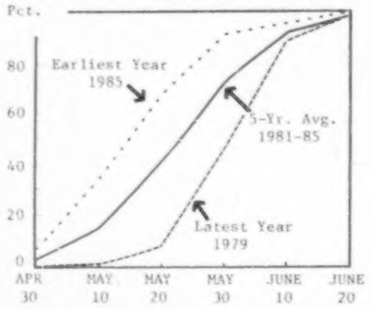
CORN

PLANTING, DEVELOPMENT AND HARVEST PROGRESS

Most of the North Dakota corn crop is now harvested for grain, a trend that began in 1976. About 60 percent of the total acreage is harvested for grain, 35 percent for silage and the remainder harvested for forage, hogged off or abandoned. In recent years planted acreage has increased to 1 million acres. Corn is grown throughout the state with the principal producing area in the southeast.

Corn planting usually begins in early May and is nearing completion by mid-June. Harvest of corn silage varies widely, depending on moisture conditions and the first hard frost. Harvest of corn for grain usually occurs during the months of October and November.

Percent Planted, North Dakota, 1976-85



Percent Planted and Combined, North Dakota, 1976-85 & 1981-85 Avg.

Year	Planted						Combined						
	April	May			June		September		October			November	
	30	10	20	30	10	20	20	30	10	20	30	10	20
	STATE						STATE						
1976	-	7	54	86	99	100	8	23	74	96	100	100	100
1977	3	23	60	85	96	100	3	22	36	53	75	95	98
1978	0	2	15	53	83	93	3	14	27	64	90	99	100
1979	0	0	8	47	89	99	0	2	28	49	61	70	84
1980	4	19	50	67	83	93	1/	3	19	51	79	94	97
1981	3	16	47	72	90	98	2	7	28	34	62	90	95
1982	1	8	20	50	81	98	2	5	13	22	49	75	87
1983	1	6	31	72	96	100	4	30	62	78	94	100	100
1984	1	8	42	78	95	100	1	13	35	55	79	97	99
1985	7	35	68	91	98	100	0	1/	4	20	45	76	85
District	1981-85 AVG. BY DISTRICT						1981-85 AVG. BY DISTRICT						
Northwest	1/	8	22	63	94	100	3	11	15	38	65	91	95
North Cent.	1/	6	28	64	92	100	1	8	16	38	66	86	93
Northeast	1	10	41	79	96	100	1	4	14	28	47	72	83
West Cent.	1	6	19	51	78	96	4	11	22	36	60	89	95
Central	2	13	38	76	93	100	1/	3	16	29	46	72	83
East Cent.	4	14	46	85	99	100	1	8	21	38	58	83	91
Southwest	1/	4	21	57	83	98	1	7	25	46	67	95	98
South Cent.	1	6	24	50	82	96	4	9	21	50	71	88	93
Southeast	4	22	55	82	98	100	3	15	36	46	72	92	96
State	3	15	42	73	92	99	2	11	28	42	66	88	93

Height, Percent Tasseling, Milk to Dough, Dented & Ripe,
North Dakota, 1976-85 & 1981-85 Avg.

Year	June		July		July		August	August		
	20	30	10	20	20	30	10	10	20	30
	AVERAGE HEIGHT (INCHES)				TASSELING & BEYOND			MILK TO DOUGH & BEYOND		
1976	7	15	23	33	39	76	95	44	88	100
1977	14	25	39	49	50	82	96	67	91	100
1978	4	13	25	39	42	60	89	43	78	100
1979	1/	7	28	42	0	42	90	39	55	73
1980	3	16	25	35	30	64	84	43	85	95
1981	1	11	21	34	16	55	85	22	83	98
1982	2	10	20	31	2	42	92	26	75	88
1983	5	13	25	40	20	57	100	49	95	100
1984	7	14	24	40	20	65	96	29	93	99
1985	10	13	25	36	21	60	90	60	32	94
5-Yr. Avg.	5	12	23	36	16	56	93	37	86	96

Year	August			September			August		September			October
	10	20	30	10	20	30	20	30	10	20	30	10
	DENTING TO RIPE & BEYOND						RIPE & BEYOND					
1976	5	38	61	85	98	100	0	0	14	50	94	94
1977	18	53	77	89	100	100	5	9	22	49	78	92
1978	4	23	54	85	97	99	2	2	5	30	65	90
1979	1	2	19	54	97	98	0	0	4	18	41	93
1980	4	33	58	69	91	100	1	2	7	15	48	81
1981	2	20	59	85	98	100	1	7	13	37	66	88
1982	2	19	34	65	88	97	1/	1	2	18	55	86
1983	2	20	66	94	99	100	0	4	25	64	92	100
1984	1	18	59	91	98	100	1/	3	12	45	88	97
1985	1	5	27	56	83	91	0	1/	2	6	24	67
5-Yr. Avg.	2	16	49	78	93	98	1/	3	11	34	65	88

1/ Less than one-half of one percent.

DRY EDIBLE BEANS

Percent Planted and Harvested, North Dakota, 1976-85 & 1981-85 Avg.

Year	Planted						Combined						
	April	May			June		August	September			October		
	30	10	20	30	10	20	30	10	20	30	10	20	30
1976	-	5	46	86	98	100	15	52	91	99	100	100	100
1977	-	9	53	88	100	100	13	34	61	71	71	95	99
1978	1/	7	32	83	96	100	5	30	53	81	95	99	100
1979	0	0	3	55	94	100	0	8	32	60	96	100	100
1980	1	9	37	72	95	99	1	7	14	38	80	93	98
1981	1/	1	30	64	95	98	1/	27	68	82	88	92	96
1982	0	1	10	49	92	100	7	13	31	62	76	81	91
1983	0	1/	15	69	97	100	2	17	31	58	81	89	96
1984	0	1/	14	67	90	99	14	55	84	98	99	100	100
1985	1	5	35	84	98	99	-	3	12	29	51	69	94
Average	1/	1	21	67	94	99	5	23	45	66	79	86	95

SOYBEANS

Year	Planted					Combined						
	April	May			June	September			October			November
	30	10	20	30	10	10	20	30	10	20	30	10
1976	-	16	53	89	100	4	39	77	98	100	100	100
1977	-	18	77	98	100	15	29	33	48	72	95	100
1978	0	1	19	70	94	2	3	14	60	93	100	100
1979	0	0	3	45	94	10	13	19	54	84	100	100
1980	1	18	55	66	84	1/	3	13	58	86	98	100
1981	1	4	34	71	94	2	8	28	37	53	74	99
1982	0	4	40	81	99	0	1	24	38	49	77	94
1983	0	2	37	86	99	3	9	36	65	77	95	99
1984	0	2	24	83	100	2	20	49	82	92	93	98
1985	5	18	52	87	98	0	1/	10	27	54	87	99
Average	1	6	37	82	98	1	8	29	50	65	85	98

SUGARBEETS

Year	Planted					Lifted					
	April		May			September			October		
	20	30	10	20	30	10	20	30	10	20	30
1976	NA	59	86	100	100	0	2	8	34	84	100
1977	NA	NA	99	100	100	0	2	9	35	90	99
1978	0	4	78	95	100	0	6	14	63	94	100
1979	0	0	1	53	94	0	0	5	32	92	100
1980	22	83	98	98	99	0	0	2	35	84	100
1981	49	78	99	100	100	0	0	8	34	57	84
1982	NA	30	79	88	99	3	8	16	27	61	96
1983	NA	35	87	97	100	3	8	16	50	75	100
1984	5	22	73	100	100	1	7	13	37	48	87
1985	5	51	95	100	100	2	8	19	64	95	98
Average	11	43	87	97	100	2	6	14	42	67	93

POTATOES

Year	Planted					Dug						
	April	May			June	August	September			October		
	30	10	20	30	10	30	10	20	30	10	20	30
1976	0	32	78	97	100	0	9	34	75	94	100	100
1977	10	49	81	97	99	3	17	55	64	85	99	100
1978	0	6	50	95	97	1	10	23	47	85	97	100
1979	0	0	6	50	92	0	6	26	57	88	99	100
1980	11	46	71	90	98	1	12	24	49	84	96	99
1981	6	28	76	90	95	3	16	56	74	84	91	96
1982	1/	6	40	80	98	2	12	33	72	83	88	98
1983	2	8	35	81	99	3	8	21	55	80	89	98
1984	6	24	64	94	100	5	24	62	87	96	100	100
1985	11	42	75	96	100	1	6	25	50	72	98	100
Average	5	22	58	88	98	3	13	39	68	83	93	98

1/ Less than one-half of one percent. NA - Not asked.

TOPSOIL MOISTURE

Percent of North Dakota Counties with Short, Adequate and Surplus Supplies, at Fifteen Day Intervals, April 15-September 30, 1976-85

Year	Short	Adequate	Surplus	Short	Adequate	Surplus	Short	Adequate	Surplus
		April 15			April 30			May 15	
1976	28	64	8	1	93	6	41	56	3
1977	78	22	0	89	11	0	68	32	0
1978	0	98	2	3	95	2	2	93	5
1979	0	61	39	0	84	16	0	92	8
1980	66	34	0	96	4	0	100	0	0
1981	60	39	1	60	39	1	72	25	3
1982	0	83	17	13	86	1	3	74	23
1983	0	69	31	5	89	6	0	86	14
1984	18	73	9	2	73	25	21	77	2
1985	41	59	0	56	44	0	12	86	2
5-Yr. Average	24	65	11	27	66	7	21	70	9
		May 30			June 15			June 30	
1976	82	18	0	18	82	0	17	83	0
1977	30	70	0	45	55	0	43	57	0
1978	0	100	0	13	87	0	14	84	2
1979	18	81	1	81	19	0	33	67	0
1980	86	14	0	45	55	0	73	27	0
1981	20	73	7	11	74	15	22	71	7
1982	0	98	2	1	94	5	22	74	4
1983	18	82	0	48	51	1	18	77	5
1984	86	14	0	16	76	8	25	73	2
1985	21	77	2	25	74	1	24	72	4
5-Yr. Average	29	69	2	20	74	6	22	73	5
		July 15			July 30			August 15	
1976	65	35	0	87	13	0	84	16	0
1977	37	63	0	76	24	0	75	25	0
1978	15	85	0	34	66	0	92	8	0
1979	41	59	0	45	53	2	74	26	0
1980	91	9	0	88	12	0	42	55	3
1981	46	54	0	37	61	2	23	77	0
1982	30	68	2	44	54	2	62	36	2
1983	48	49	3	54	46	0	97	3	0
1984	84	16	0	97	3	0	95	5	0
1985	86	14	0	74	26	0	35	59	6
5-Yr. Average	59	40	1	61	38	1	62	36	2
		August 30			September 15			September 30	
1976	87	13	0	98	2	0	90	10	0
1977	58	42	0	20	79	1	0	95	5
1978	70	30	0	55	45	0	20	80	0
1979	51	49	0	65	35	0	89	11	0
1980	15	74	11	11	80	9	24	71	5
1981	42	58	0	42	58	0	39	59	2
1982	58	42	0	76	24	0	54	45	1
1983	76	24	0	61	35	4	39	57	4
1984	97	3	0	98	2	0	96	4	0
1985	11	73	16	10	82	8	11	87	2
5-Yr. Average	57	40	3	57	40	3	48	50	22

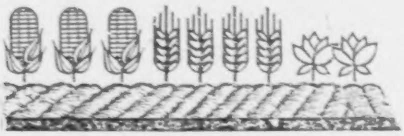
GROWING SEASON

LENGTH OF GROWING SEASON, SELECTED STATIONS, NORTH DAKOTA,
AT TEMPERATURES OF 28°F AND 32°F OR ABOVE

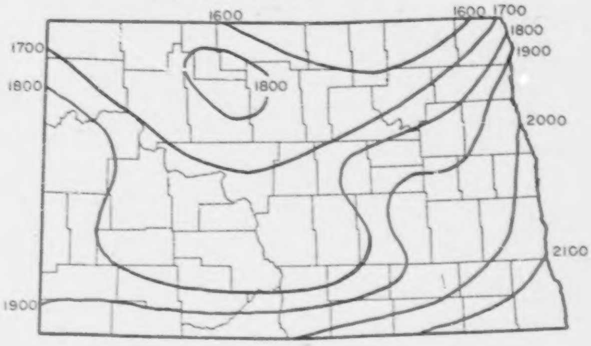
Station	County	Average Date of Last Spring Frost		Average Date of First Frost in Fall		Average Number of Days in Growing Season		Number of Years in Average
		28°	32°	32°	28°	32°	28°	
		(Date)	(Date)	(Date)	(Date)	(Days)	(Days)	(Years)
Northwest District								
Crosby	Divide	May 10	May 18	Sept. 16	Sept. 23	120	137	63
Minot Exp.	Ward	May 12	May 20	Sept. 17	Sept. 26	119	137	69
Mohall	Renville	May 11	May 18	Sept. 16	Sept. 23	122	135	44
Parshall	Mountrail	May 15	May 21	Sept. 12	Sept. 18	114	126	59
Powers Lake	Burke	May 15	May 23	Sept. 11	Sept. 23	111	133	41
Williston	Williams	May 4	May 13	Sept. 22	Sept. 28	132	146	78
North Central District								
Bottineau	Bottineau	May 15	May 21	Sept. 15	Sept. 23	116	130	70
Granville	McHenry	May 13	May 19	Sept. 15	Sept. 25	119	134	65
Maddock	Benson	May 15	May 23	Sept. 13	Sept. 21	113	129	53
Towner	McHenry	May 14	May 21	Sept. 12	Sept. 21	114	129	54
Northeast District								
Grafton	Walsh	May 9	May 18	Sept. 19	Sept. 25	123	139	70
Grand Forks	Grand Forks	May 6	May 16	Sept. 23	Sept. 29	130	146	66
Hansboro	Towner	May 17	May 27	Sept. 11	Sept. 18	106	124	65
Langdon Exp.	Cavalier	May 17	May 28	Sept. 13	Sept. 21	109	126	69
Pembina	Pembina	May 12	May 21	Sept. 17	Sept. 25	119	135	70
West Central District								
Dunn Center	Dunn	May 12	May 17	Sept. 18	Sept. 27	122	137	50
Garrison	McLean	May 8	May 18	Sept. 19	Sept. 25	124	139	62
Washburn	McLean	May 6	May 13	Sept. 24	Oct. 1	137	148	26
Watford City	McKenzie	May 7	May 13	Sept. 19	Sept. 27	127	141	34
Central District								
Fessenden	Wells	May 8	May 17	Sept. 18	Sept. 26	123	140	40
Jamestown	Stutsman	May 5	May 15	Sept. 20	Sept. 29	128	146	73
McClusky	Sheridan	May 11	May 20	Sept. 18	Sept. 26	120	137	54
Pettibone	Kidder	May 13	May 22	Sept. 12	Sept. 17	111	124	46
East Central District								
Amenia	Cass	May 6	May 15	Sept. 23	Sept. 28	130	144	73
Cooperstown	Griggs	May 11	May 21	Sept. 19	Sept. 26	121	138	49
Fargo	Cass	May 4	May 12	Sept. 26	Oct. 2	137	151	66
Mayville	Traill	May 8	May 17	Sept. 24	Oct. 2	129	147	57
Southwest District								
Beach	Golden Valley	May 12	May 20	Sept. 18	Sept. 27	121	138	58
Bowman	Bowman	May 6	May 14	Sept. 21	Sept. 30	130	146	52
Dickinson Exp.	Stark	May 12	May 19	Sept. 14	Sept. 22	117	132	72
Hettinger	Adams	May 11	May 18	Sept. 20	Sept. 27	124	137	36
Marmarth	Slope	May 11	May 16	Sept. 15	Sept. 23	122	136	43
South Central District								
Carson #2	Grant	May 11	May 19	Sept. 15	Sept 24	119	135	59
Mandan Exp.	Morton	May 7	May 12	Sept. 23	Sept. 28	133	144	59
Southeast District								
Edgeley Exp.	LaMoure	May 11	May 18	Sept. 19	Sept. 28	123	139	66
Lisbon	Ransom	May 10	May 19	Sept. 20	Sept. 27	123	139	64
McLeod	Ransom	May 9	May 15	Sept. 22	Sept. 29	129	143	62
Napoleon	Logan	May 14	May 21	Sept. 16	Sept. 23	118	132	72
Oakes	Dickey	May 5	May 13	Sept. 23	Oct. 1	133	149	46
Wahpeton	Richland	May 4	May 13	Sept. 25	Oct. 3	136	151	65

GROWING DEGREE DAYS
North Dakota

Effective heat units, or sometimes simply called "heat units," are arithmetic accumulations of daily mean temperatures above or below a certain threshold value. They are used as a general means of relating environmental air temperature to plant growth, development and maturation, cooling requirements in the summer, and heating requirements in the winter. For such practical applications usually they are referred to as growing degree days (GDD), heating degree days and cooling degree days, respectively.



Average Accumulated GDD's
During the Frost-Free Period



Average Number of GDD's from Selected Dates in the Planting Season to the First Killing Frost (28°F or lower); Base of 50°F., North Dakota

Station	May 3	May 10	May 17	May 24	May 31	June 7	June 14
	- - - - - - - - Number - - - - - - - -						
Amenia	2182	2142	2090	2019	1936	1848	1757
Bottineau	1841	1813	1774	1722	1654	1579	1498
Bowman	2079	2039	1993	1935	1867	1795	1716
Carson	2077	2038	1987	1927	1852	1774	1686
Cooperstown	2093	2057	2010	1949	1875	1790	1698
Crosby	1863	1835	1793	1740	1668	1600	1518
Dickinson	1920	1888	1844	1788	1723	1651	1570
Edgeley	2101	2061	2011	1949	1874	1792	1707
Fessenden	2094	2059	2011	1946	1872	1784	1693
Garrison	2002	1965	1922	1862	1791	1715	1630
Grafton	2078	2036	1989	1920	1842	1755	1661
Grand Forks	2155	2117	2062	1992	1917	1829	1736
Granville	1978	1944	1899	1840	1765	1686	1601
Hansboro	1687	1657	1623	1573	1509	1439	1364
Hettinger	2137	2096	2045	1980	1906	1832	1743
Jamestown	2126	2090	2041	1974	1896	1811	1719
Langdon	1782	1752	1712	1656	1594	1524	1445
Lisbon	2171	2130	2078	2011	1931	1841	1746
Maddock	1972	1935	1887	1821	1748	1669	1583
Mandan	2168	2130	2079	2015	1941	1861	1768
Marmarth	2087	2049	2001	1941	1869	1797	1713
Mayville	2230	2188	2134	2064	1979	1887	1792
McClusky	2022	1988	1941	1881	1808	1731	1650
McLeod	2287	2243	2184	2114	2029	1934	1835
Minot	1926	1895	1848	1795	1727	1655	1569
Mohall	1983	1950	1900	1837	1764	1684	1599
Napoleon	2022	1985	1938	1876	1805	1726	1639
Oakes	2256	2215	2162	2092	2014	1922	1823
Parshall	1914	1876	1830	1769	1699	1622	1537
Pembina	1959	1920	1876	1815	1740	1654	1565
Pettibone	1945	1904	1860	1805	1733	1659	1571
Powers Lake	1845	1817	1783	1734	1668	1603	1528
Towner	1989	1948	1899	1836	1756	1672	1584
Wahpeton	2385	2336	2276	2200	2110	2012	1909
Watford City	2158	2121	2062	1993	1917	1838	1750

SOURCE: Agro-Climatology of North Dakota, N.D.S.U.

WEATHER DATA

PROBABILITY OF 28°F AND 32°F OCCURRING AFTER DATES SHOWN
North Dakota

District and Station	90 Percent	75 Percent	50 Percent	10 Percent	90 Percent	75 Percent	50 Percent	10 Percent
	Dates for 28°F				Dates for 32°F			
NORTHWEST DISTRICT								
Crosby	April 24	May 1	May 8	May 22	May 7	May 14	May 21	June 4
Foxholm	April 26	May 3	May 10	May 24	May 8	May 15	May 22	June 5
Grenora	April 28	May 5	May 12	May 26	May 8	May 15	May 22	June 5
Kenmare	April 22	April 29	May 6	May 20	May 2	May 9	May 16	May 30
Minot Exp. Station	April 26	May 3	May 10	May 24	May 7	May 14	May 21	June 4
Mohall	April 24	May 1	May 8	May 22	May 11	May 18	May 25	June 8
New Town	April 28	May 5	May 12	May 26	May 8	May 15	May 22	June 5
Powers Lake	April 25	May 2	May 9	May 23	May 9	May 16	May 23	June 6
Williston	April 16	April 23	April 30	May 14	April 29	May 6	May 13	May 27
NORTH CENTRAL DISTRICT								
Bottineau	May 1	May 8	May 15	May 29	May 9	May 16	May 23	June 6
Drake	April 22	April 29	May 6	May 20	May 4	May 11	May 18	June 1
Granville	April 27	May 4	May 11	May 25	May 9	May 16	May 23	June 6
Maddock	April 30	May 7	May 14	May 28	May 9	May 16	May 23	June 6
San Haven	April 30	May 7	May 14	May 28	May 10	May 17	May 24	June 7
Towner	April 30	May 7	May 14	May 28	May 10	May 17	May 24	June 7
Velva	April 24	May 1	May 8	May 22	May 5	May 12	May 19	June 2
Westhope	April 26	May 3	May 10	May 24	May 9	May 16	May 23	June 6
Willow City	May 1	May 8	May 15	May 29	May 15	May 22	May 29	June 12
NORTHEAST DISTRICT								
Devils Lake	April 22	April 29	May 6	May 20	May 3	May 10	May 17	May 31
Edmore	May 4	May 11	May 18	June 1	May 18	May 25	June 1	June 15
Grafton	April 22	April 29	May 6	May 20	May 8	May 15	May 22	June 5
Grand Forks	April 22	April 29	May 6	May 20	May 5	May 12	May 19	June 2
Hannah	May 3	May 10	May 17	May 31	May 15	May 22	May 29	June 12
Langdon Exp. Farm	May 4	May 11	May 18	June 1	May 19	May 26	June 2	June 16
Larimore	April 25	May 2	May 9	May 23	May 6	May 13	May 20	June 3
Park River	April 24	May 1	May 8	May 22	May 8	May 15	May 22	June 5
Pembina	April 28	May 5	May 12	May 26	May 7	May 14	May 21	June 4
WEST CENTRAL DISTRICT								
Butte	April 28	May 5	May 12	May 26	May 7	May 14	May 21	June 4
Center	May 1	May 8	May 15	May 29	May 11	May 18	May 25	June 8
Dunn Center	April 29	May 6	May 13	May 27	May 6	May 13	May 20	June 3
Garrison	April 21	April 28	May 5	May 19	May 5	May 12	May 19	June 2
Raub	April 26	May 3	May 10	May 24	May 8	May 15	May 22	June 5
Turtle Lake	April 24	May 1	May 8	May 22	May 7	May 14	May 21	June 4
Washburn	April 20	April 27	May 4	May 18	May 2	May 9	May 16	May 30
Watford City	April 26	May 3	May 10	May 24	May 4	May 11	May 18	June 1
CENTRAL DISTRICT								
Carrington	April 26	May 3	May 10	May 24	May 6	May 13	May 20	June 3
Fessenden	April 25	May 2	May 9	May 23	May 6	May 13	May 20	June 3
Jamestown	April 20	April 27	May 4	May 18	May 3	May 10	May 17	May 31
McClusky	April 24	May 1	May 8	May 22	May 8	May 15	May 22	June 5
McHenry	May 2	May 9	May 16	May 30	May 14	May 21	May 28	June 11
Pettibone	April 27	May 4	May 11	May 25	May 10	May 17	May 24	June 7
Steele	April 27	May 4	May 11	May 25	May 7	May 14	May 21	June 4
EAST CENTRAL DISTRICT								
Amenia	April 22	April 29	May 6	May 20	May 3	May 10	May 17	May 31
Cooperstown	April 28	May 5	May 12	May 26	May 9	May 16	May 23	June 6
Fargo	April 20	April 27	May 4	May 18	April 29	May 6	May 13	May 27
Hillsboro	April 19	April 26	May 3	May 17	April 30	May 7	May 14	May 28
Mayville	April 25	May 2	May 9	May 23	May 6	May 13	May 20	June 3
Sharon	April 26	May 3	May 10	May 24	May 6	May 13	May 20	June 3
Valley City	April 23	April 30	May 7	May 21	May 5	May 12	May 19	June 2
SOUTHWEST DISTRICT								
Amidon	April 24	May 1	May 8	May 22	May 6	May 13	May 20	June 3
Beach	April 25	May 2	May 9	May 23	May 6	May 13	May 20	June 3
Bowman	April 21	April 28	May 5	May 19	May 5	May 12	May 19	June 2
Dickinson Exp. Station	April 26	May 3	May 10	May 24	May 9	May 16	May 23	June 6
Hettinger	April 24	May 1	May 8	May 22	May 4	May 11	May 18	June 1
Marmarth	April 26	May 3	May 10	May 24	May 5	May 12	May 19	June 2
Mott	April 25	May 2	May 9	May 23	May 8	May 15	May 22	June 5
Richardton	April 22	April 29	May 6	May 20	May 3	May 10	May 17	May 31
SOUTH CENTRAL DISTRICT								
Bismarck	April 20	April 27	May 4	May 18	April 27	May 4	May 11	May 25
Carson	April 24	May 1	May 8	May 22	May 7	May 14	May 21	June 4
Fort Yates	April 25	May 2	May 9	May 23	May 3	May 10	May 17	May 31
Linton	April 28	May 5	May 12	May 26	May 8	May 15	May 22	June 5
New Salem	April 23	April 30	May 7	May 21	May 5	May 12	May 19	June 2
SOUTHEAST DISTRICT								
Ashley	April 28	May 5	May 12	May 26	May 5	May 12	May 19	June 2
Ellendale	April 19	April 26	May 3	May 17	April 29	May 6	May 13	May 27
Forman	April 23	April 30	May 7	May 21	May 1	May 8	May 15	May 29
Fullerton	April 23	April 30	May 7	May 21	May 2	May 9	May 16	May 30
Hankinson	April 19	April 26	May 3	May 17	April 29	May 6	May 13	May 27
Lisbon	April 24	May 1	May 8	May 22	May 7	May 14	May 21	June 4
McLeod	April 24	May 1	May 8	May 22	May 2	May 9	May 16	May 30
Napoleon	April 26	May 3	May 10	May 24	May 7	May 14	May 21	June 4
Wahpeton	April 21	April 28	May 5	May 19	April 30	May 7	May 14	May 28
Wishek	April 29	May 6	May 13	May 27	May 9	May 16	May 23	June 6

SOURCE: Bulletin No. 443 "The Probability of Freezing Temperatures", by Carl J. Sanderson - Published by Agricultural Experiment Station, N.D.S.U. and Weather Bureau, U.S. Dept. of Commerce, Bismarck.

WEATHER DATA

PROBABILITY OF 28° AND 32°F OCCURRING BEFORE DATES SHOWN
North Dakota

District and Station	10 Percent	50 Percent	75 Percent	90 Percent	10 Percent	50 Percent	75 Percent	90 Percent
	Dates for 28°F				Dates for 32°F			
NORTHWEST DISTRICT								
Crosby	Sept. 10	Sept. 23	Sept. 30	Oct. 6	Sept. 1	Sept. 13	Sept. 19	Sept. 25
Foxholm	Sept. 15	Sept. 28	Oct. 5	Oct. 11	Sept. 5	Sept. 17	Sept. 23	Sept. 29
Grenora	Sept. 13	Sept. 26	Oct. 3	Oct. 9	Sept. 4	Sept. 16	Sept. 22	Sept. 28
Kenmare	Sept. 16	Sept. 29	Oct. 6	Oct. 12	Sept. 6	Sept. 18	Sept. 24	Sept. 30
Minot Exp. Station	Sept. 15	Sept. 28	Oct. 5	Oct. 11	Sept. 3	Sept. 15	Sept. 21	Sept. 27
Mohall	Sept. 10	Sept. 23	Sept. 30	Oct. 6	Sept. 3	Sept. 15	Sept. 21	Sept. 27
New Town	Sept. 9	Sept. 22	Sept. 29	Oct. 5	Aug. 31	Sept. 12	Sept. 18	Sept. 24
Powers Lake	Sept. 15	Sept. 28	Oct. 5	Oct. 11	Sept. 2	Sept. 14	Sept. 20	Sept. 26
Williston	Sept. 21	Oct. 4	Oct. 11	Oct. 17	Sept. 12	Sept. 24	Sept. 30	Oct. 6
NORTH CENTRAL DISTRICT								
Bottineau	Sept. 12	Sept. 25	Oct. 2	Oct. 8	Sept. 3	Sept. 15	Sept. 21	Sept. 27
Drake	Sept. 17	Sept. 30	Oct. 7	Oct. 13	Sept. 9	Sept. 21	Sept. 27	Oct. 3
Granville	Sept. 13	Sept. 26	Oct. 3	Oct. 9	Sept. 3	Sept. 15	Sept. 21	Sept. 27
Maddock	Sept. 10	Sept. 23	Sept. 30	Oct. 6	Sept. 3	Sept. 15	Sept. 21	Sept. 27
San Haven	Sept. 12	Sept. 25	Oct. 2	Oct. 8	Sept. 5	Sept. 17	Sept. 23	Sept. 29
Towner	Sept. 7	Sept. 20	Sept. 27	Oct. 3	Sept. 1	Sept. 13	Sept. 19	Sept. 25
Velva	Sept. 14	Sept. 27	Oct. 4	Oct. 10	Sept. 5	Sept. 17	Sept. 23	Sept. 29
Westhope	Sept. 10	Sept. 23	Sept. 30	Oct. 6	Sept. 4	Sept. 16	Sept. 22	Sept. 28
Willow City	Sept. 5	Sept. 18	Sept. 25	Oct. 1	Aug. 31	Sept. 12	Sept. 18	Sept. 24
NORTHEAST DISTRICT								
Devils Lake	Sept. 18	Oct. 1	Oct. 8	Oct. 14	Sept. 9	Sept. 21	Sept. 27	Oct. 3
Edmore	Sept. 4	Sept. 17	Sept. 24	Sept. 30	Aug. 31	Sept. 12	Sept. 18	Sept. 24
Grafton	Sept. 15	Sept. 28	Oct. 5	Oct. 11	Sept. 7	Sept. 19	Sept. 25	Oct. 1
Grand Forks	Sept. 16	Sept. 29	Oct. 6	Oct. 12	Sept. 11	Sept. 23	Sept. 29	Oct. 5
Hannah	Sept. 9	Sept. 22	Sept. 29	Oct. 5	Sept. 2	Sept. 14	Sept. 20	Sept. 26
Langdon Exp. Farm	Sept. 8	Sept. 21	Sept. 28	Oct. 4	Sept. 2	Sept. 14	Sept. 20	Sept. 26
Larimore	Sept. 16	Sept. 29	Oct. 6	Oct. 12	Sept. 8	Sept. 20	Sept. 26	Oct. 2
Park River	Sept. 16	Sept. 29	Oct. 6	Oct. 12	Sept. 9	Sept. 21	Sept. 27	Oct. 3
Pembina	Sept. 14	Sept. 27	Oct. 4	Oct. 10	Sept. 5	Sept. 17	Sept. 23	Sept. 29
WEST CENTRAL DISTRICT								
Butte	Sept. 17	Sept. 30	Oct. 7	Oct. 13	Sept. 8	Sept. 20	Sept. 26	Oct. 2
Center	Sept. 8	Sept. 21	Sept. 28	Oct. 4	Aug. 31	Sept. 12	Sept. 18	Sept. 24
Dunn Center	Sept. 10	Sept. 23	Sept. 30	Oct. 6	Sept. 1	Sept. 13	Sept. 19	Sept. 25
Garrison	Sept. 13	Sept. 26	Oct. 3	Oct. 9	Sept. 4	Sept. 16	Sept. 22	Sept. 28
Raub	Sept. 13	Sept. 26	Oct. 3	Oct. 9	Sept. 4	Sept. 16	Sept. 22	Sept. 28
Turtle Lake	Sept. 13	Sept. 26	Oct. 3	Oct. 9	Sept. 7	Sept. 19	Sept. 25	Oct. 1
Washburn	Sept. 19	Oct. 2	Oct. 9	Oct. 15	Sept. 10	Sept. 22	Sept. 28	Oct. 4
Watford City	Sept. 15	Sept. 28	Oct. 5	Oct. 11	Sept. 5	Sept. 17	Sept. 23	Sept. 29
CENTRAL DISTRICT								
Carrington	Sept. 13	Sept. 26	Oct. 3	Oct. 9	Sept. 6	Sept. 18	Sept. 24	Sept. 30
Fessenden	Sept. 12	Sept. 25	Oct. 2	Oct. 8	Sept. 3	Sept. 15	Sept. 21	Sept. 27
Jamestown	Sept. 16	Sept. 29	Oct. 6	Oct. 12	Sept. 7	Sept. 19	Sept. 25	Oct. 1
McClusky	Sept. 14	Sept. 27	Oct. 4	Oct. 10	Sept. 5	Sept. 17	Sept. 23	Sept. 29
McHenry	Sept. 8	Sept. 21	Sept. 28	Oct. 4	Sept. 3	Sept. 15	Sept. 21	Sept. 27
Pettibone	Sept. 9	Seot. 22	Sept. 29	Oct. 5	Sept. 1	Sept. 13	Sept. 19	Sept. 25
Steele	Sept. 11	Sept. 24	Oct. 1	Oct. 7	Sept. 3	Sept. 15	Sept. 21	Sept. 27
EAST CENTRAL DISTRICT								
Amenia	Sept. 17	Sept. 30	Oct. 7	Oct. 13	Sept. 9	Sept. 21	Sept. 27	Oct. 3
Cooperstown	Sept. 12	Sept. 25	Oct. 2	Oct. 8	Sept. 6	Sept. 18	Sept. 24	Sept. 30
Fargo	Sept. 21	Oct. 4	Oct. 11	Oct. 17	Sept. 13	Sept. 25	Oct. 1	Oct. 7
Hillsboro	Sept. 20	Oct. 3	Oct. 10	Oct. 16	Sept. 12	Sept. 24	Sept. 30	Oct. 6
Mayville	Sept. 19	Oct. 2	Oct. 9	Oct. 15	Sept. 10	Sept. 22	Sept. 28	Oct. 4
Sharon	Sept. 17	Sept. 30	Oct. 7	Oct. 13	Sept. 7	Sept. 19	Sept. 25	Oct. 1
Valley City	Sept. 13	Sept. 26	Oct. 3	Oct. 9	Sept. 7	Sept. 19	Sept. 25	Oct. 1
SOUTHWEST DISTRICT								
Amidon	Sept. 18	Oct. 1	Oct. 8	Oct. 14	Sept. 7	Sept. 19	Sept. 25	Oct. 1
Beach	Sept. 13	Sept. 26	Oct. 3	Oct. 9	Sept. 6	Sept. 18	Sept. 24	Sept. 30
Bowman	Sept. 16	Sept. 29	Oct. 6	Oct. 12	Sept. 8	Sept. 20	Sept. 26	Oct. 2
Dickinson Exp. Station	Sept. 11	Sept. 24	Oct. 1	Oct. 7	Sept. 1	Sept. 13	Sept. 19	Sept. 25
Hettinger	Sept. 16	Sept. 29	Oct. 6	Oct. 12	Sept. 6	Sept. 18	Sept. 24	Sept. 30
Marmarth	Sept. 14	Sept. 27	Oct. 4	Oct. 10	Sept. 3	Sept. 15	Sept. 21	Sept. 27
Mott	Sept. 12	Sept. 25	Oct. 2	Oct. 8	Sept. 2	Sept. 14	Sept. 20	Sept. 26
Richardton	Sept. 18	Oct. 1	Oct. 8	Oct. 14	Sept. 13	Sept. 25	Oct. 1	Oct. 7
SOUTH CENTRAL DISTRICT								
Bismarck	Sept. 17	Sept. 30	Oct. 7	Oct. 13	Sept. 10	Sept. 22	Sept. 28	Oct. 4
Carson	Sept. 15	Sept. 28	Oct. 5	Oct. 11	Sept. 4	Sept. 16	Sept. 22	Sept. 28
Fort Yates	Sept. 16	Sept. 29	Oct. 6	Oct. 12	Sept. 5	Sept. 17	Sept. 23	Sept. 29
Linton	Sept. 9	Sept. 22	Sept. 29	Oct. 5	Sept. 3	Sept. 15	Sept. 21	Sept. 27
New Salem	Sept. 14	Sept. 27	Oct. 4	Oct. 10	Sept. 10	Sept. 22	Sept. 28	Oct. 4
SOUTHEAST DISTRICT								
Ashley	Sept. 13	Sept. 26	Oct. 3	Oct. 9	Sept. 3	Sept. 15	Sept. 21	Sept. 27
Ellendale	Sept. 22	Oct. 5	Oct. 12	Oct. 18	Sept. 11	Sept. 23	Sept. 29	Oct. 5
Forman	Sept. 20	Oct. 3	Oct. 10	Oct. 16	Sept. 8	Sept. 20	Sept. 26	Oct. 2
Fullerton	Sept. 18	Oct. 1	Oct. 8	Oct. 14	Sept. 8	Sept. 20	Sept. 26	Oct. 2
Hankinson	Sept. 25	Oct. 8	Oct. 15	Oct. 21	Sept. 12	Sept. 24	Sept. 30	Oct. 6
Lisbon	Sept. 15	Sept. 28	Oct. 5	Oct. 11	Sept. 8	Sept. 20	Sept. 26	Oct. 2
McLeod	Sept. 16	Sept. 29	Oct. 6	Oct. 12	Sept. 9	Sept. 21	Sept. 27	Oct. 3
Napoleon	Sept. 12	Sept. 25	Oct. 2	Oct. 8	Sept. 5	Sept. 17	Sept. 23	Sept. 29
Wahpeton	Sept. 21	Oct. 4	Oct. 11	Oct. 17	Sept. 11	Sept. 23	Sept. 29	Oct. 5
Wishek	Sept. 8	Sept. 21	Sept. 28	Oct. 4	Aug. 30	Sept. 11	Sept. 17	Sept. 23

SOURCE: Bulletin No. 443 "The Probability of Freezing Temperatures", by Carl J. Sanderson - Published by Agricultural Experiment Station, N.D.S.U. and Weather Bureau, U.S. Dept. of Commerce, Bismarck.

WEATHER DATA

LONG-TERM MEAN TEMPERATURES BY MONTHS AND STATIONS, North Dakota, 1951-80 (Degrees F)

District and Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Crosby	5.0	12.8	23.6	40.8	53.9	62.9	68.7	66.9	56.1	44.7	26.5	13.5	39.6
Foxholm	6.0	13.4	24.1	41.2	54.4	63.5	69.2	67.5	56.8	46.0	28.1	14.5	40.4
Grenora	6.2	14.3	24.8	41.2	53.9	62.9	68.8	67.1	56.2	45.3	27.3	14.7	40.2
Kenmare	4.1	11.4	21.8	39.1	52.7	62.1	68.0	65.8	54.6	43.6	26.3	13.2	38.6
Minot Exp. Station	4.5	11.6	22.5	40.2	53.5	63.0	68.6	66.9	55.7	44.5	26.6	13.3	39.2
Mohall	2.7	10.3	21.8	40.1	53.1	62.6	68.0	66.1	55.0	43.7	26.1	12.0	38.5
Parshall	5.8	13.2	24.4	41.1	53.9	63.0	68.9	67.2	56.2	45.1	27.2	14.3	40.0
Powers Lake	2.4	10.1	20.7	38.3	51.4	60.8	66.6	65.0	53.8	42.5	24.6	11.7	37.3
Williston WSO	6.6	14.6	25.3	41.8	54.5	63.8	70.0	68.1	56.6	45.1	27.6	14.9	40.8
NORTHWEST DISTRICT (1)	5.1	12.3	23.0	40.3	53.3	62.5	68.4	66.5	55.4	44.4	26.5	13.5	39.3
Bottineau	-.2	7.4	19.3	38.9	52.7	62.1	67.4	65.7	54.2	42.5	23.9	9.0	36.9
Drake	3.7	10.6	21.9	40.0	53.7	63.2	69.0	67.2	55.8	44.8	26.5	12.7	39.1
Granville	4.6	12.3	23.6	41.3	54.3	63.5	69.4	67.7	56.7	45.6	27.6	13.3	40.0
Leeds	2.1	9.4	21.4	40.2	53.6	63.4	68.4	66.4	55.4	44.2	25.9	10.9	38.4
Rolla	1.8	9.2	20.1	38.2	52.0	61.4	66.7	64.8	53.7	43.1	24.7	10.2	37.2
Rugby	3.9	11.2	23.0	41.7	55.4	65.0	70.2	68.4	57.1	46.0	27.2	12.6	40.1
Upham	1.5	9.1	21.0	40.4	53.9	63.2	68.4	66.4	55.2	43.8	25.5	10.4	38.2
Westhope	1.5	9.2	21.2	40.2	53.8	62.8	67.8	66.1	55.0	43.9	25.0	10.4	38.1
Willow City	.0	7.5	19.7	39.3	52.7	62.3	67.5	65.2	54.0	42.8	24.4	9.2	37.1
NORTH CENTRAL DISTRICT (2)	2.7	9.9	21.5	40.0	53.6	62.9	68.2	66.3	55.2	44.2	25.8	11.2	38.5
Devils Lake	2.3	9.7	21.7	40.0	53.9	63.6	69.1	67.1	56.0	44.8	26.4	11.2	38.8
Edmore	.2	7.6	20.0	39.0	52.6	62.0	67.0	65.3	54.5	43.1	24.5	9.2	37.1
Grafton	2.2	9.5	22.3	41.2	55.4	64.5	69.3	67.8	57.4	46.0	26.9	10.7	39.4
Grand Forks FAA AP	2.2	9.3	22.1	40.7	54.4	63.9	68.8	66.9	56.2	44.9	26.5	11.1	38.9
Hannah	-1.1	6.0	18.1	37.6	52.0	61.6	66.0	64.0	53.7	42.7	23.6	7.8	36.0
Langdon Exp. Farm	-.5	7.0	19.2	38.3	52.4	61.7	66.4	64.8	54.3	43.1	24.0	8.3	36.6
Park River	3.8	11.0	23.2	41.4	55.5	65.0	70.2	68.4	58.1	46.8	27.8	12.2	40.3
Pembina	-.9	6.2	19.4	39.6	53.8	63.4	68.3	66.1	55.9	44.6	25.5	8.9	37.6
Petersburg	1.3	8.1	20.3	38.8	52.9	62.4	67.4	65.5	54.5	43.4	25.0	9.7	37.4
NORTHEAST DISTRICT (3)	1.4	8.7	21.1	39.8	53.8	63.3	68.2	66.3	55.7	44.5	25.8	10.2	38.2
Butte	5.8	12.7	23.7	41.2	54.6	64.2	70.0	68.4	57.0	45.8	27.6	14.2	40.4
Center	7.4	14.7	25.2	41.4	54.2	63.4	69.2	67.7	56.4	45.6	28.4	15.8	40.8
Dunn Center	7.4	14.6	23.9	40.2	53.2	62.6	69.0	67.7	56.3	45.2	28.1	15.9	40.3
Garrison	5.3	12.2	23.0	40.3	53.2	62.7	68.9	67.5	56.0	44.8	27.3	14.4	39.6
Max	4.2	11.1	22.0	39.7	52.9	62.5	68.4	66.4	55.0	43.7	26.0	12.8	38.7
Turtle Lake	6.3	13.6	24.8	41.9	55.0	64.4	70.3	68.8	57.5	46.2	28.0	14.8	41.0
Washburn	7.8	15.6	26.3	42.9	55.5	65.0	70.9	69.4	58.2	47.0	29.5	16.2	42.0
WEST CENTRAL DISTRICT (4)	6.9	14.2	24.7	41.3	54.2	63.5	69.6	68.1	56.8	45.6	28.2	15.5	40.7
Carrington	3.9	10.6	21.9	39.4	52.9	62.6	68.1	66.2	55.2	44.5	26.6	12.4	38.7
Fessenden	5.4	12.6	24.4	41.9	55.1	64.4	69.9	68.3	57.6	46.3	28.0	13.8	40.6
Jamestown FAA Airport	5.4	12.6	24.3	41.4	54.3	64.2	69.9	68.2	56.9	45.6	27.7	13.7	40.4
McClusky	5.5	12.7	24.1	41.3	54.8	64.3	70.3	68.7	57.3	45.6	27.4	13.8	40.5
Pettibone	4.3	11.5	23.4	41.2	54.0	63.6	69.6	68.1	57.0	45.3	27.8	13.0	39.9
Steele	6.5	13.9	25.2	42.4	55.4	64.4	70.1	68.6	57.9	46.7	28.6	14.8	41.2
CENTRAL DISTRICT (5)	5.3	12.1	23.8	41.2	54.4	63.9	69.5	67.9	56.8	45.6	27.5	13.4	40.1
Amenia	5.0	12.4	25.5	43.1	56.5	65.6	70.6	69.2	59.0	47.5	29.0	13.2	41.4
Cooperstown	4.0	11.3	24.0	41.7	55.2	64.5	69.9	68.3	57.5	46.2	27.5	12.5	40.2
Fargo WSO	4.3	11.0	24.0	42.1	55.6	65.2	70.6	68.8	57.8	46.3	28.2	12.7	40.5
Hillsboro	4.7	11.7	24.3	42.5	56.3	65.7	70.9	69.0	58.7	47.2	28.6	13.1	41.1
Mayville	4.3	11.3	24.1	42.2	55.8	65.2	70.2	68.6	58.0	46.8	28.2	13.0	40.6
Sharon	2.8	10.2	22.5	40.5	54.1	63.3	68.3	67.1	56.4	45.3	26.3	11.2	39.0
Valley City	4.9	12.2	24.2	41.4	55.0	64.1	69.4	67.5	56.6	45.6	27.8	13.1	40.2
EAST CENTRAL DISTRICT (6)	4.7	11.5	24.1	41.9	55.5	64.8	70.0	68.4	57.7	46.4	27.9	12.7	40.5
Amidon	12.1	18.8	27.0	41.0	53.0	62.4	69.4	68.4	57.0	46.1	30.0	19.6	42.1
Bowman	12.7	19.1	27.7	41.6	53.6	62.9	69.9	68.4	57.1	46.1	30.0	19.9	42.4
Dickinson Exp. Station	9.3	16.2	25.4	40.5	53.0	62.2	68.6	67.4	55.9	45.0	28.3	17.1	40.7
Hettinger	12.6	19.4	27.8	42.3	54.0	63.5	70.2	68.8	57.2	46.4	30.0	19.5	42.6
Medora	12.0	19.8	28.8	42.9	55.0	64.2	70.6	69.2	57.7	46.2	30.1	19.1	43.0
Mott	10.7	18.1	27.2	41.7	53.8	63.0	69.1	67.6	56.5	45.6	28.8	17.9	41.7
Richardton	10.7	17.9	27.2	42.3	54.8	63.9	70.2	69.0	57.9	46.8	29.8	18.5	42.4
SOUTHWEST DISTRICT (7)	11.2	18.3	27.0	41.6	53.7	63.0	69.6	68.2	56.9	45.8	29.3	18.6	41.9
Bismarck WSO	6.7	14.5	26.0	42.5	54.9	64.3	70.4	68.8	57.3	46.1	28.6	15.4	41.3
Carson	8.1	15.4	25.1	41.0	53.9	63.1	69.7	68.2	56.8	45.5	28.5	16.2	41.0
Fort Yates	10.3	17.4	27.6	43.7	56.4	66.0	72.5	70.8	59.8	48.5	31.4	18.6	43.6
Linton	7.9	15.7	27.3	44.0	56.6	65.9	72.2	70.8	59.3	47.5	29.5	16.0	42.7
Mandan Exp. Station	6.7	13.7	25.0	41.6	54.5	64.0	70.1	68.7	57.2	46.1	28.7	15.4	41.0
New Salem	8.0	15.4	25.5	41.4	54.2	63.5	69.9	68.4	57.3	45.9	28.5	16.2	41.2
SOUTH CENTRAL DISTRICT (8)	8.6	15.6	26.2	42.4	55.0	64.4	70.7	69.2	57.9	46.6	29.3	16.5	41.9
Ashley	7.1	13.8	24.9	41.8	54.2	63.8	69.6	68.2	57.5	46.4	28.6	15.2	40.9
Ellendale	8.2	15.4	27.2	43.8	56.3	65.7	71.4	70.1	59.4	47.8	30.0	16.2	42.6
Forman	6.2	13.6	26.0	43.2	56.2	65.8	71.4	69.8	58.6	47.1	29.6	14.7	41.9
Fullerton	7.2	14.7	26.7	43.6	56.3	65.7	71.3	69.8	58.9	47.5	29.6	15.4	42.2
Hankinson	6.4	12.5	24.5	42.0	55.6	65.5	71.1	69.0	57.8	46.8	29.7	14.9	41.3
Lisbon	7.0	13.8	26.3	43.4	56.1	65.4	70.6	69.0	58.5	47.6	29.8	14.8	41.9
McLeod	6.0	13.1	25.9	43.5	56.7	66.0	71.3	69.6	59.1	47.8	29.4	14.4	41.9
Napoleon	6.1	13.0	24.2	41.6	54.6	64.2	70.2	68.7	57.3	46.0	28.1	14.4	40.7
Wahpeton	6.9	13.7	26.3	44.1	57.6	67.0	72.0	70.1	59.7	48.6	30.5	15.4	42.7
Wishek	4.9	11.4	22.8	40.0	53.0	62.7	68.6	66.8	55.8	44.5	27.0	13.7	39.3
SOUTHEAST DISTRICT (9)	6.6	13.3	25.3	42.5	55.5	65.0	70.7	69.0	58.1	46.8	29.0	14.7	41.4
STATE	5.8	12.9	24.1	41.2	54.3	63.7	69.4	67.8	56.7	45.5	27.7	14.0	40.3

Source: Environmental Data and Information Service

WEATHER DATA

LONG-TERM PRECIPITATION BY MONTHS AND STATIONS,
North Dakota, 1951-80 (Inches)

District and Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Crosby	.40	.39	.43	1.30	2.00	2.71	2.04	1.99	1.78	.84	.40	.43	14.71
Foxholm	.46	.40	.47	1.54	2.12	3.49	1.99	2.04	1.79	.81	.50	.45	16.06
Grenora	.43	.41	.46	1.28	2.06	2.93	2.12	1.79	1.50	.75	.43	.43	14.59
Kenmare	.53	.48	.60	1.46	2.11	3.10	1.85	1.82	1.83	.81	.41	.44	15.44
Minot Exp. Station	.58	.53	.61	1.90	2.25	3.13	2.18	2.02	1.98	.87	.59	.54	17.18
Mohall	.44	.40	.47	1.35	2.24	3.36	2.22	2.29	1.82	.96	.41	.40	16.36
Parshall	.34	.35	.42	1.39	2.24	3.66	2.16	1.98	2.01	.73	.39	.36	16.03
Powers Lake	.35	.35	.49	1.31	2.07	3.14	2.14	1.96	1.85	.82	.37	.33	15.18
Williston WSO	.55	.50	.57	1.29	1.85	2.68	1.83	1.42	1.37	.74	.50	.55	13.85
NORTHWEST DISTRICT (1)	.47	.44	.53	1.43	2.16	3.13	2.06	1.94	1.79	.90	.45	.45	15.75
Bottineau	.47	.41	.57	1.31	2.15	3.31	2.80	2.87	1.96	.99	.48	.46	17.78
Drake	.42	.35	.66	1.47	2.18	3.39	2.71	2.12	1.86	.93	.55	.45	17.09
Granville	.45	.42	.61	1.55	2.17	3.30	1.95	2.42	1.76	.85	.44	.46	16.38
Leeds	.73	.46	.87	1.43	2.18	3.28	2.47	2.17	1.73	.88	.61	.60	17.41
Rolla	.51	.49	.66	1.20	2.25	3.44	2.82	2.92	1.97	.84	.53	.52	18.15
Rugby	.59	.43	.64	1.29	1.93	3.14	2.56	2.61	1.79	.86	.50	.50	16.84
Upham	.46	.41	.49	1.36	2.11	3.08	2.15	2.41	1.77	.88	.48	.48	16.08
Westhope	.47	.38	.52	1.19	1.96	3.04	2.13	2.31	1.86	.90	.43	.47	15.66
Willow City	.46	.38	.53	1.20	1.84	2.88	2.28	2.50	1.77	.82	.40	.43	15.49
NORTH CENTRAL DISTRICT (2)	.49	.41	.61	1.33	2.11	3.19	2.49	2.51	1.82	.89	.48	.48	16.81
Devils Lake	.55	.45	.76	1.00	2.18	3.32	2.21	2.11	1.88	.88	.63	.55	16.52
Edmore	.45	.30	.48	1.18	2.20	2.95	2.80	2.54	1.88	1.04	.41	.33	16.56
Grafton	.59	.44	.74	1.52	2.19	3.25	2.54	2.56	2.06	1.08	.66	.53	18.16
Grand Forks FAA AP	.76	.51	.77	1.34	1.95	2.89	2.86	2.62	2.04	1.11	.80	.64	18.29
Hannah	.44	.43	.54	1.13	2.27	3.05	2.68	2.91	2.01	1.01	.56	.45	17.48
Langdon Exp. Farm	.59	.42	.72	1.33	2.44	2.97	2.99	3.01	1.97	1.12	.65	.51	18.72
Park River	.52	.36	.66	1.70	2.32	3.40	2.66	2.45	2.02	1.09	.58	.49	18.25
Pembina	.50	.41	.69	1.33	2.42	2.86	2.90	2.65	2.19	1.09	.55	.51	18.10
Petersburg	.59	.36	.78	1.34	2.19	3.34	2.73	2.54	2.06	1.08	.72	.45	18.18
NORTHEAST DISTRICT (3)	.55	.41	.71	1.33	2.24	3.13	2.77	2.65	2.05	1.06	.62	.51	18.03
Butte	.42	.39	.54	1.41	1.96	3.17	2.32	1.96	1.78	.78	.43	.39	15.55
Center	.51	.54	.75	1.64	2.45	3.34	2.64	1.99	1.73	.91	.65	.59	17.74
Dunn Center	.40	.48	.60	1.60	2.35	3.69	2.17	2.05	1.65	.87	.51	.39	16.76
Garrison	.41	.48	.57	1.40	1.89	3.17	2.01	1.78	1.60	.68	.42	.46	14.87
Max	.44	.54	.65	1.70	2.17	3.77	2.44	2.18	1.74	.83	.57	.47	17.50
Turtle Lake	.61	.50	.69	1.64	2.11	3.70	2.31	2.08	1.76	.86	.50	.56	17.32
Wilton	.47	.39	.59	1.55	2.59	3.93	2.66	2.08	1.65	.93	.42	.41	17.67
WEST CENTRAL DISTRICT (4)	.45	.44	.56	1.52	2.26	3.53	2.34	1.91	1.70	.81	.49	.45	16.46
Carrington	.61	.50	.75	1.59	2.49	3.77	2.54	2.12	1.69	.98	.63	.51	18.18
Fessenden	.61	.54	.74	1.48	2.49	3.49	2.50	2.24	1.76	1.00	.56	.57	17.98
Jamestown FAA Airport	.60	.58	.79	1.52	2.32	3.59	3.02	2.12	1.61	.94	.52	.51	18.12
McClusky	.55	.46	.67	1.61	2.16	3.99	2.35	2.03	1.64	.86	.52	.57	17.41
Pettibone	.41	.35	.59	1.48	2.37	3.44	2.52	2.03	1.72	.96	.44	.38	16.69
Tuttle	.46	.35	.62	1.48	2.65	3.70	2.30	1.91	1.77	.79	.42	.38	16.83
CENTRAL DISTRICT (5)	.49	.43	.64	1.51	2.38	3.62	2.63	2.15	1.72	.96	.51	.46	17.50
Colgate	.40	.27	.60	1.50	2.26	3.24	2.64	2.64	2.00	1.12	.51	.40	17.58
Cooperstown	.51	.37	.70	1.48	2.37	3.57	3.05	2.60	2.23	1.15	.71	.54	19.28
Fargo WSO	.55	.42	.83	1.90	2.24	3.06	3.34	2.67	1.87	1.29	.79	.63	19.59
Hillsboro	.43	.39	.75	1.71	2.21	3.73	3.22	2.68	2.16	1.36	.65	.53	19.82
Mayville	.65	.50	.82	1.54	2.24	3.46	2.48	2.57	2.12	1.25	.68	.65	18.96
Sharon	.55	.42	.83	1.64	2.54	3.43	2.93	2.55	2.40	1.17	.71	.52	19.69
Valley City	.49	.44	.71	1.61	2.35	3.52	2.74	2.36	1.95	1.07	.64	.55	18.43
EAST CENTRAL DISTRICT (6)	.51	.40	.76	1.69	2.37	3.48	2.94	2.58	2.10	1.23	.68	.55	19.29
Amidon	.37	.37	.54	1.53	2.54	3.85	2.23	1.49	1.41	.74	.42	.39	15.88
Bowman	.33	.42	.52	1.47	2.43	3.68	2.11	1.63	1.41	.76	.42	.35	15.53
Dickinson Exp. Station	.34	.40	.57	1.73	2.53	3.69	2.08	1.86	1.51	.85	.45	.34	16.35
Fairfield	.34	.35	.48	1.44	2.45	3.60	1.99	1.84	1.64	.77	.46	.31	15.67
Hettinger	.31	.33	.49	1.68	2.76	3.64	2.04	1.77	1.43	.85	.42	.27	15.99
Medora	.43	.42	.57	1.41	2.40	3.53	1.96	1.45	1.42	.75	.50	.38	15.22
Mott	.39	.40	.57	1.65	2.55	3.80	1.99	1.80	1.42	.70	.46	.36	16.09
Richardton	.47	.54	.76	1.81	2.77	3.78	2.35	1.81	1.55	.81	.56	.45	17.66
SOUTHWEST DISTRICT (7)	.39	.43	.58	1.54	2.48	3.62	2.09	1.69	1.46	.84	.48	.38	15.98
Bismarck WSO	.51	.45	.70	1.51	2.23	3.01	2.05	1.69	1.38	.81	.51	.51	15.36
Carson	.33	.40	.60	1.85	2.68	3.62	2.39	1.89	1.38	.84	.43	.36	16.77
Fort Yates	.33	.36	.58	1.55	2.32	2.80	1.73	1.61	1.33	.83	.34	.33	14.11
Linton	.51	.45	.79	1.85	2.57	3.56	2.33	1.67	1.53	.91	.55	.53	17.25
New Salem	.47	.48	.72	1.70	2.34	3.62	2.20	2.18	1.48	.84	.52	.47	17.02
Shields	.33	.34	.66	1.70	2.39	3.16	2.05	1.94	1.32	.83	.43	.31	15.46
SOUTH CENTRAL DISTRICT (8)	.41	.40	.61	1.64	2.46	3.47	2.18	1.89	1.46	.83	.46	.40	16.21
Ashley	.37	.38	.70	1.51	2.69	3.61	2.51	2.24	1.54	.95	.41	.36	17.27
Ellendale	.45	.52	.69	2.14	3.04	4.01	2.50	2.26	1.89	1.14	.57	.43	19.66
Forman	.55	.51	.87	2.03	2.76	3.78	2.77	2.59	1.82	1.06	.74	.43	19.97
Fullerton	.62	.60	.96	2.29	2.95	3.86	2.54	2.56	1.88	1.20	.76	.53	20.83
Hankinson R.R. Station	.55	.57	.78	2.05	2.62	4.03	2.74	2.59	1.96	1.19	.71	.57	20.36
Lisbon	.47	.47	.77	1.98	2.60	3.71	2.77	2.98	1.83	1.19	.69	.59	20.05
McLeod	.46	.42	.73	1.54	2.40	3.44	3.06	3.01	1.82	1.17	.77	.49	19.25
Napoleon	.45	.39	.76	1.55	2.57	3.19	2.83	2.06	1.73	.93	.53	.43	17.42
Wahpeton	.62	.47	.79	2.14	2.88	4.09	3.71	2.88	2.00	1.25	.77	.62	21.72
Wishek	.46	.46	.78	1.73	2.64	3.53	2.62	2.14	1.48	.88	[illegible]	.45	17.61
SOUTHEAST DISTRICT (9)	.48	.49	.79	1.93	2.70	3.75	2.74	2.52	1.83	1.11	.62	.48	19.44
STATE	.47	.43	.64	1.55	2.35	3.44	2.47	2.20	1.77	.96	.53	.46	17.27

Source: Environmental Data and Information Service

-NOTES-

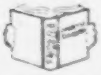
WHERE TO FIND HISTORIC COUNTY ESTIMATES

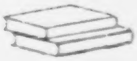
Most county estimates are issued through a procedure whereby preliminary estimates are subject to revision the following year. Also, changes may be made following the review of Census of Agriculture data which are normally available every five years. Thus, individual estimates for the same item may be released in three different publications, two of which may be out of date.

The publication reference below shows which publication contains the most up-to-date county estimates for a particular commodity in a particular year. Each county estimate publication is assigned a sequential bulletin number which serves to uniquely identify it. To use the table simply locate the commodity of interest in the left hand column. Read across that row until the desired year is found. The heading at the top of that column identifies the proper publication in which to find the county estimates.

The reference table shows all available historic county estimates beginning with the first year that estimates were prepared and continuing through 1984 for most commodities. County estimates for most major crops were begun in 1919 and for livestock in 1925 although there are exceptions to both as indicated in the table. Separate estimates of the production of corn for grain were begun in 1957, while corn silage and forage acreage estimates were not begun until 1959. Estimates of commercial grain storage capacity were not made in 1959, nor in 1961-64.

Estimates for all livestock are on a January 1 inventory number basis until 1968 when hog inventory was changed to a December 1 basis. The chicken inventory date was changed to December 1 in 1970. Cattle and sheep inventory dates remain January 1. County estimates for all sheep were dropped after 1940 and begun again in 1971 to conform with Agricultural Census wording.





PUBLICATION REFERENCE

Item	Agricultural Statistics								
	No. 3 1/	No. 5	No. 9	No. 33	No. 36	No. 43	No. 46	No. 49	No. 54
Wheat, All	1919-54			1955-70		1971-75		1976-79	1980-84
Winter 2/				1964-70		1971-75		1976-79	1980-84
Durum	1929-54			1955-70		1971-75		1976-79	1980-84
Other Spring	1929-54			1955-70		1971-75		1976-79	1980-84
Oats		**1919-54**			**1955-70**	**1971-75**		**1976-79**	**1980-84**
Barley		**1919-54**			**1955-70**	**1971-75**		**1976-79**	**1980-84**
Rye		**1919-54**			**1955-70**	**1971-75**		**1976-78**	**1979-84**
Flaxseed	*1919-54						1955-75	1976-79	1980-84
Corn			1919-54		1955-69	1970-75		1976-79	1980-84
Soybeans	3/						1954-75	1976-79	1980-84
Potatoes			1919-54				1955-75	1976-79	1980-84
Sugarbeets							**1958-75**	**1976-79**	**1980-84**
Sunflower							**1969-75**	**1976-79**	**1980-84**
Dry Edible Beans								**1977-79**	**1980-84**
Dry Field Peas 4/							**1959-69**		
Hay, By Kind			1919-54				1955-75	1976-78	1979-84
Summer Fallow							1949-75	1976-79	1980-84
Grain Storage Capacity (Commercial)							1958-75	1976-79	1980-85
LIVESTOCK INVENTORY		No. 7	No. 17 1/	No. 30					
Cattle, All		1925-60	1961-66	1967-71		1972-76		1977-79	1980-85
Milk Cows		1925-60	1961-66	1967-71		1972-76		1977-79	1980-85
Hogs, All		**1925-60**	**1961-66**	**1967-70**		**1972-75**		**1976-78**	**1979-84**
Sheep, All		**1925-40**				**1971-76**		**1977-79**	**1980-85**
Stock Sheep 5/		**1941-60**	**1961-66**	**1967-71**		**1972-75**			
Chickens, All 6/		1951-60	1961-66	1967-70		1971-73			
Horses, All		1925-49		- - - - - - - County Estimates Discontinued after 1949 - - - - - - -					

*Agricultural Statistics No. 2. 1/ Supply exhausted. Photo copies can be obtained through a local printer for approximately $10-12. 2/ Included in Other Spring Wheat prior to 1964. 3/ State estimates 1924-53. 4/ Estimates discontinued after 1966. 5/ County estimates discontinued after 1975. 6/ County estimates discontinued after 1973.